2011

Creativity Progress & Excellence

Analog Product

LILIN

⌀LILIN

Taipei Head Office

MERIT LI-LIN ENT. CO., LTD.

NO. 20, WU-KONG 6TH ROAD WU-KU
INDUSTRIAL ZONE WU-KU DISTRICT,
NEW TAIPEI CITY, TAIWAN, R.O.C.
TEL: 886-2-2298-8988, 6625-7699
FAX: 886-2-2298-9077, 6625-9866
www.meritlilin.com
E-mail: sales@meritlilin.com.tw

GLOBAL

Asia

China Guangzhou Office :
MERIT LI-LIN CHINA (GUANG ZHOU)
- TEL: 86-20-8226-4825 EXT. 8206
- FAX: 86-20-8226-5150
- china@gzlilin.com.cn
- www.gzlilin.com.cn

Hong Kong Office :
MERIT LI-LIN CCTV HK LTD.
- TEL: 852-2889-2862
- FAX: 852-2889-3134
- roger@meritlilinhk.com
- www.meritlilin.hk

Japan Office :
MERIT CORPORATION
- TEL: 81-3-3868-8051
- FAX: 81-3-3868-8055
- info@meritcctv.com
- www.meritcctv.com

Malaysia Office :
MERIT LILIN MALAYSIA SDN BHD
- TEL: 60-3-6274-5066
- FAX: 60-3-6276-9011
- lhteh@lilin.com.my
- www.lilin.com.my

Europe

France Office :
MERIT LI-LIN (EUROPE) SA
- TEL: 33-1-3448-5858
- FAX: 33-1-3448-9200
- contact@meritlilin.fr
- www.meritlilin.fr

UK Office :
LILIN UK LTD.
- TEL: 44-870-120 5550
- FAX: 44-870-120 5551
- uk@meritlilin.com
- www.lilin.co.uk

Germany Office :
MERIT LI-LIN DEUTSCHLAND GMBH
- TEL: 49-40-2549-3480
- FAX: 49-40-2549-3428
- pieler@merit-lilin.de
- www.merit-lilin.de

Spain Office :
MERIT LILIN SPAIN S.L.
- TEL: 34-902-108-533
- FAX: 34-91-663- 6669
- raquelperea@meritlilinspain.com
- www.meritlilinspain.com

Italy Office :
Merit Lilin Italia
- TEL: +39 0542 41679
- FAX: +39 0542 1952004
- info@meritlilin.it
- www.meritlilin.it

Oceania

New Zealand Office :
MERIT LI-LIN (NZ) LTD.
- TEL: 64-9-415-8118
- FAX: 64-9-415-8238
- geoff@lilin.co.nz
- www.lilin.co.nz

Australia Office :
MERIT LI-LIN PACIFIC PTY LTD.
- TEL: 61-2-9646-4878
- FAX: 61-2-9646-5088
- matt@meritlilinpacific.com.au
- www.meritlilinpacific.com.au

America

USA Office :
MERIT LI-LIN (USA) CORP.
- TEL: 1-626-930-1000
- FAX: 1-626-930-1001
- sales1@meritlilin.us
- service@meritlilin.us
- www.meritlilin.us

CE SGS UKAS QUALITY MANAGEMENT 005 30TH ANNIVERSARY SINCE 1980-2010 1980 - 2010

Welcome From C.C.Hsu President of LILIN

Throughout the company's history we have maintained our belief in Creativity, Progress and Excellence and have established our reputation for delivering quality products and extraordinary customer service.

Our goal is simple; to be the best manufacturer of CCTV equipment in the world.

Our product range has expanded in line with our understanding of market requirements and our branch network continues to grow in order to better support our global customer base.

Since establishing our company over 30 years ago we have seen tremendous advances in technology and now anticipate a transition to purely digital solutions. As one of the few manufacturers that develop, produce and distribute all of the products in our range, we feel we are ideally placed to ensure a smooth transition into the digital world.

I thank you for your interest in our company and look forward to helping you with your needs in the future.
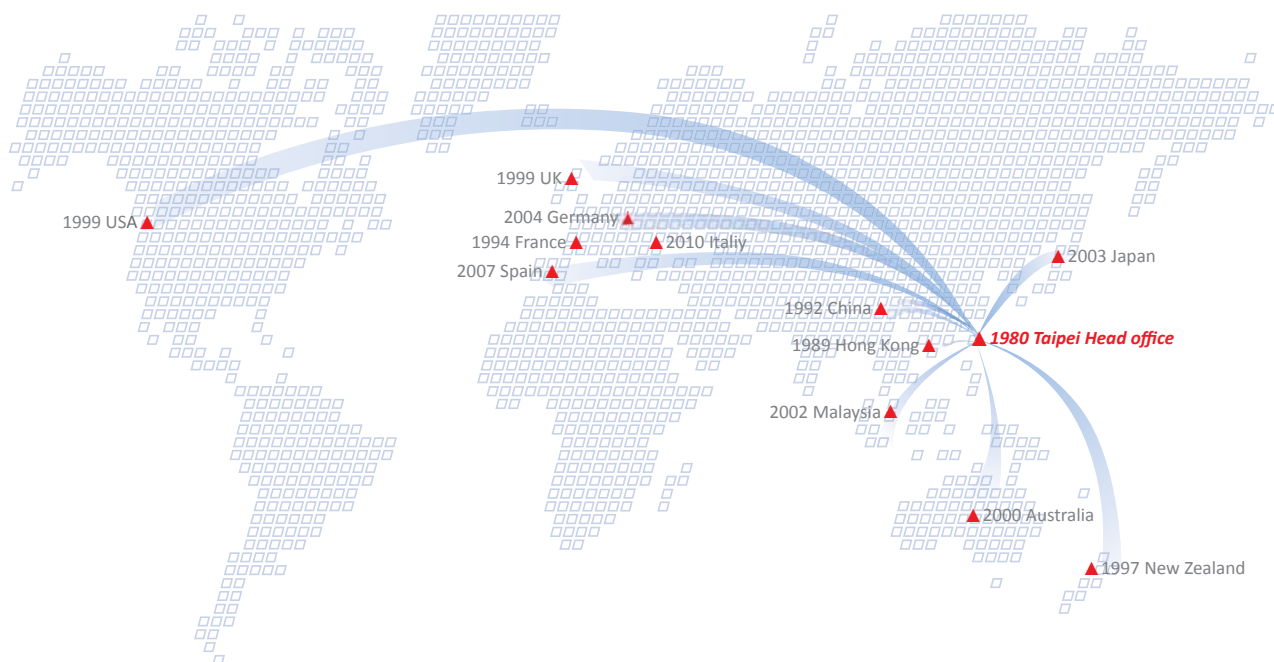
C. C. HSU   C.E.O.
LILIN Group

About LILIN

LILIN was founded in Taipei in 1980, when it was only a 1620 m2 small factory. Starting with only 3 to 5 staff, they worked with youth, enthusiasm, and persistence to develop CCTV products ranging from tube cameras, scanners, pan / tilt scanners, distributors, amplifiers, remote controls, to brackets. LILIN devoted 5 years in CCTV industrial development. After research and business expansion in domestic and foreign markets, the firm had created a brand of its own – CS LILIN.

As the enterprise grew over time, in 1985 LILIN purchased a 12600 m2 factory in Sanchung, Taipei, to provide more space for development and elaboration, and staff also became even more devoted to development and production of various surveillance products. During this period, Taiwan's securities industry was growing vigorously, the demand for monitors skyrocketed, and orders for cameras and other products continued endlessly. As a result, LILIN had to increase its staff from 5 to 50. Products changed from TUBE camera to CCD camera and from black and white CCD camera to color CCD camera. Even more, LILIN's first overseas branch, LILIN Hong Kong, was established in 1987 and LILIN Guangzhou was established three years later in 1990 together with LILIN France. At this time, LILIN had expanded from Taiwan to all over the globe in a bid to construct a global service network for more and better choices for customers.

With the efforts of LILIN staff, LILIN founded its first factory building at the Wuku Industrial Park in 1992, with an area of 39600 m2, tripling the land for usage. This great property allowed LILIN to go deeper into professionalism. LILIN established a specialized R&D department and hoped to develop professional surveillance systems and numerous related products to enhance system integrity. Hence, the Speed Dome camera was born. We were the first company which developed Speed Dome cameras on its own in Taiwan at that time, and day & night cameras had superior performance. While DVR started to have a draft design, other types of products continued to be innovated. Developing new appearance, flawless function, and stable quality had always been the goals of LILIN's R&D team. In order to provide better product quality and service for customers, corporate internal control system had to be perfect and complete. In 1997, we were certified by ISO-9002, which indicated that our internal control system was close to perfect. Within the time period of LILIN development, we aggressively established oversea branches and such global expansion was intended to offer broader services for customers. LILIN's objective was that not only could customers use our products worldwide, but also they could get fast and satisfying services locally.

As LILIN products started to diversify, the demand for business increased and the factories became insufficient to meet such demand. Therefore, another factory building, 87500 m2 in area, was acquired at the Wuku Industrial Park in 2002. The new property allowed staff to work in a spacious, comfortable environment, and the R&D team also grew rapidly and they were young, professional elite. In 2003, we, again, passed the ISO-9001 R&D system verification, and this suggested that our team had become even more mature and professional. The products under development progressed from analog signal to digital signal, DVR to MPEG4, H.264. Speed Dome camera functions are expected to improve, along with novel appearance and easy assembly/disassembly. And IP products H.264 MegaPixel have become the focus for current development. Ever since LILIN was founded, we have been promoting our brand and up to this day, the brand stands for honor and responsibility. Hence, LILIN continues to provide customers the best product quality, the most complete system products, as well as the fastest service network to offer greatest contentment and satisfaction.

1999 UK
2004 Germany
1994 France
2007 Spain
1999 USA
2010 Italy
2003 Japan
1992 China
1989 Hong Kong
1980 Taipei Head office
2002 Malaysia
2000 Australia
1997 New Zealand

Taipei Head office

Currently LILIN has branches all over Hong Kong, mainland China, Malaysia, Japan, New Zealand, Australia, the U.S., France, UK, Germany, Spain, Italy, etc. Ever since LILIN was founded, the number of staff has increased from 5 to over 500 at the 10 branches worldwide. This achievement is not possible without the efforts of all the staff. Everyone worked hand-in-hand for LILIN's prospective future.

As a company depending on its products for success we adhere to three fundamental belief: Creativity, Progress & Excellence. This philosophy has allowed Merit Li-Lin to achieve its position as one of the global major manufacturers of CCTV equipment.

In pursuit of growth, we have maintained the belief of continuous improvement since our company was established in 1980. Focusing on technological excellence and creative design, we have concentrated on developing new products to satisfy the needs of customers around the world.

In a competitive market wonderful product alone is never enough, underlying our corporate philosophy is our understanding of the importance of flexibility, honesty and reliability. This has earned our company an enviable reputation for first class customer service.

Our goal is to make our own brand Li-Lin internationally recognized as a sign of quality. We are achieving this by providing unrivalled customer service in every aspect of every branch throughout the world.

China   France   New Zealand   UK   USA   Malaysia

Hong Kong   Japan   Spain   Australia   Germany

Product Contents

CAMERA

Box Camera

Dome Camera

IR Camera

Comparison Table

Box type Camera

	CMG 176/178	CMG152 / 156 / 158	CMW 12 / 15
Product picture			
Series Number	CMG 176/178	CMG152 / 156 / 158	CMW 12 / 15
Name	D&N WDR Ultrahigh Resolution Camera	Day & Night Superhigh Resolution Camera	Waterproof Vari-Focal Color Camera
Color Resolution	600TVL	540TVL	380TVL (CMW12) ; 540TVL (CMW15)
Minimum Illumination — Color	0.0001 Lux / F1.2	0.03Lux/F1.2	0.03 Lux / F1.6(CMW12) 0.07 Lux / F1.6(CMW15)
Minimum Illumination — Mono	0.0001 Lux / F1.2	0Lux/IR(850nm) On	-
Varifocal Lens	-	-	✓
D/N (IR Cut Filter)	✓	✓	-
White Balance	✓	✓	✓
Aperture Gain Correction	✓	✓	✓
Expose Mode	✓	✓	-
Electronic Shutther Speed	✓	✓	-
Low Lux Mode	-	-	-
Slow Shutter Speed	✓	✓	-
WDR	✓	-	-
Back Light Compensation	✓	✓	✓
Digital Zoom	✓	-	-
Privacy Masking	✓	-	-
Flickerless	✓	✓	-
Motion Detection Alarm	✓	-	-
3D Digital Noise Reduction	✓	-	-
Digital Effect	✓	-	-
Electronic Image Stabilizer	✓	-	-
IP68	-	-	✓

Box type Camera

	CMW 022	CMG 052X35N
Product picture		
Series Number	CMW 022	CMG 052X35N
Name	Waterproof Color Camera	35X D&N Super Hi-Resolution Camera Zoom Module
Color Resolution	380TVL	540TVL
Minimum Illumination — Color	0.2 Lux / F1.8	0.1 Lux / F1.6
Minimum Illumination — Mono	-	0.01 Lux / F1.6
Varifocal Lens	-	✓
D/N (IR Cut Filter)	-	✓
White Balance	✓	✓
Aperture Gain Correction	✓	✓
Expose Mode	-	✓
Electronic Shutther Speed	-	✓
Low Lux Mode	-	-
Slow Shutter Speed	-	-
WDR	-	-
Back Light Compensation	✓	✓
Digital Zoom	-	✓
Privacy Masking	-	✓
Flickerless	-	-
Motion Detection Alarm	-	-
3D Digital Noise Reduction	-	-
Digital Effect	-	-
Electronic Image Stabilizer	-	-
IP68	✓	-

Camera Series

LILIN

Comparison Table

IR Camera

Product picture							
Series Number	**CMR6082X**	**CMR 7082 / 7084 / 7088**	**CMR 7082X**	**CMR7284X / 7288X**	**CMR7384X / 7388X**	**CMR 752X**	**CMR352X**
NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW
Name	Day & Night Vandal Resistant 700TVL Vari-Focal IR Dome Camera	Day & Night ATR 700TVL IR Camera	Day & Night ATR 700TVL Vari-Focal IR Camera	Day & Night ATR 700TVL Vari-Focal IR Camera	Day & Night ATR 700TVL Vari-Focal IR Camera	D/N Varifocal IR Camera	D/N Varifocal IR Camera
Color Resolution	700TVL	700TVL	700TVL	700TVL	700TVL	540TVL	540TVL
Minimum Illumination — Color	0.045Lux / F1.4	0.2Lux/F1.8	0.045Lux / F1.4	0.045Lux / F1.4	0.045Lux / F1.5	0.05 Lux / F1.4	0.05 Lux / F1.4
Minimum Illumination — Mono	0.009Lux / F1.4 0Lux(IR ON)	0 Lux (IR On)	0.009Lux / F1.4 0 Lux (IR On)	0.009Lux / F1.4 0 Lux (IR On)	0.009Lux / F1.5 0 Lux (IR On)	0 Lux (IR On)	0 Lux (IR On)
Radiant Distance	30M	30M	30M	60M	100M	30M	30M
Varifocal Lens	✓	-	✓	✓	✓	✓	✓
Dual Voltage	-	-	-	-	-	-	-
D/N	✓	✓	✓	✓	✓	✓	✓
White Balance	✓	✓	✓	✓	✓	✓	✓
Aperture Gain Correction	✓	✓	✓	✓	✓	✓	✓
Back Light Compensation	✓	✓	✓	✓	✓	✓	✓
Adaptive Tone Reproduction	✓	✓	✓	✓	✓	-	-
High Light Compensation	✓	✓	✓	✓	✓	-	-
Privacy Masking 8 Zone	-	✓	✓	✓	✓	-	-
ANTI CR	✓	✓	✓	✓	✓	-	-
2D NR	✓	✓	✓	✓	✓	-	-
IP68 or IP66	✓	✓	✓	✓	✓	✓	✓

IR Camera

Product picture								
Series Number	**PIH 0012 / 0042**	**PIH 012 / 014**	**PIH 036X / 038X**	**PIH 042 / 044**	**PIH 052 / 054**	**PIH 062 / 064**	**PIH 0742X / 0746X**	**CMR 12 / 15**	**CMR 22 / 25**
Name	18M IR Camera	Ultrahigh Sensitivity 40M IR Camera	Varifocal IR Camera	Mini Dome IR Camera	21M IR Camera	30M IR Camera	Vandal Resistant Varifocal IR Dome Camera	D/N Varifocal IR Camera	D/N Varifocal IR Camera
Color Resolution	380TVL (PIH-0012) / 540TVL (PIH-0042)	380TVL (PIH-012) / 540TVL (PIH-014)	380TVL (PIH-036X) / 540TVL (PIH-038X)	380TVL (PIH-042) / 540TVL (PIH-044)	380TVL (PIH-052) / 540TVL (PIH-054)	380TVL (PIH-062) / 540TVL (PIH-064)	540TVL	380TVL (CMR 12) / 540TVL (CMR 15)	380TVL (CMR 22) / 540TVL (CMR 25)
Minimum Illumination — Color	0.2 Lux / 1.8 (PIH-0012) / 0.5 Lux / 1.8 (PIH-0042)	0.01 Lux / F1.8 (PIH-012) / 0.05 Lux / F1.8 (PIH-014)	0.02 Lux / F1.4 (PIH-036X) / 0.05 Lux / F1.4 (PIH-038X)	0.2 Lux / F1.8 (PIH-042) / 0.5 Lux / F1.8 (PIH-044)	0.2 Lux / F1.8(PIH-052) / 0.5 Lux / F1.8(PIH-054)	0.01 Lux / F1.8(PIH-062) / 0.05 Lux / F1.8 (PIH-064)	0.03 Lux / F1.2 (PIH-0742X) / 0.07 Lux / F1.6 (PIH-0746X)	0.02 Lux /F1.4 0.03 Lux / F1.6 (CMR 12 Series) / 0.05 Lux / F1.4 0.07 Lux / F1.6 (CMR 15 Series)	0.02 Lux /F1.4 0.03 Lux / F1.6 (CMR 22 Series) / 0.05 Lux /F.1.4 0.07 Lux / F1.6 (CMR 25 Series)
Minimum Illumination — Mono	0 Lux (IR On)	0 Lux (IR On)	0 Lux (IR On)	0 Lux (IR On)	0 Lux (IR On)	0 Lux (IR On)	0 Lux (IR On)	0 Lux (IR On)	0 Lux (IR On)
Radiant Distance	18M	25M ~ 40M	50M ~ 60M	16M	21M	30M	21M	25M	35M
Varifocal Lens	-	-	✓	-	-	-	✓	✓	✓
Dual Voltage	-	-	-	-	-	-	✓	-	-
D/N	✓	✓	✓	✓	✓	✓	✓	✓	✓
White Balance	✓	✓	✓	✓	✓	✓	✓	✓	✓
Aperture Gain Correction	✓	✓	✓	✓	✓	✓	✓	✓	✓
Electronic Shutter Speed	✓	✓	-	✓	✓	✓	✓	-	-
Back Light Compensation	✓	✓	✓	✓	✓	✓	✓	✓	✓
IP68 or IP66	✓	✓	✓	-	✓	✓	✓	✓	✓

LILIN

Comparison Table

Dome Camera

	CMD 2082	CMD2182 / 2186	CMD 2182X / 2186X	CMD 072/076/ 172/176	CMD 072X/076X/ 172X/176X	CMD052/056/ 152/156	CMD052X/056X/ 152X/156X	PIH 202 / 204	PIH 212 / 214
NEW	NEW	NEW	NEW	-	-	-	-	-	-
Name	ATR 700TVL Color Mini Dome Camera	ATR 700TVL Color Dome Camera	ATR 700TVL Color Vari-Focal Dome Camera	WDR Ultrahigh Resolution Color Dome Camera	D&N WDR Ultrahigh Resolution Vari-Focal Dome Camera	Superhigh Resolution Color Dome Camera	Superhigh Resolution Vari-Focal Color Dome Camera	Dual Voltage Color Dome Camera	Dual Voltage Varifocal Color Dome Camera
Color Resolution	700TVL	700TVL	700TVL	600TVL	600TVL	540TVL	540TVL	380TVL (PIH-202) 540TVL (PIH-204)	380TVL (PIH-212) 540TVL (PIH-214)
Minimum Illumination — Color	0.2Lux/F1.8	0.2Lux / F1.8	0.045Lux / F1.4	0.0006Lux / F1.8	0.0002Lux / F1.2	0.5 Lux / F1.8	0.03 Lux / F1.2	0.2 Lux / F1.8 (PIH-202); 0.5 Lux / F1.8 (PIH-204)	0.01Lux / F1.2 (PIH-212); 0.03 Lux / F1.2 (PIH-214)
Minimum Illumination — Mono	-	-	0.009Lux / F1.4	-	0.0001Lux / F1.2	-	-	-	-
Varifocal Lens	-	-	✓	-	✓	-	✓	-	✓
Dual Voltage	-	✓	✓	✓	✓	✓	✓	✓	✓
D/N (IR Cut Filter)	-	-	✓	-	✓	-	-	-	-
White Balance	✓	✓	✓	✓	✓	✓	✓	✓	✓
Aperture Gain Correction	✓	✓	✓	✓	✓	✓	✓	✓	✓
Electronic Shutter Speed	✓	✓	✓	✓	✓	✓	✓	✓	-
Back Light Compensation	✓	✓	✓	✓	✓	✓	✓	✓	✓
WDR	✓	✓	✓	✓	✓	-	-	-	-
Digital Zoom	✓	✓	✓	✓	✓	-	-	-	-
Privacy Masking	✓	✓	✓	✓	✓	-	-	-	-
3D Digital Noise Reduction	-	-	-	✓	✓	-	-	-	-
Digital Effect	✓	✓	✓	✓	✓	-	-	-	-
Electronic Image Stabilizer	-	-	-	✓	✓	-	-	-	-
Adaptive Tone Reproduction	✓	✓	✓	–	–	–	–	–	–
High Light Compensation	✓	✓	✓	–	–	–	–	–	–
ANTI CR	✓	✓	✓	–	–	–	–	–	–
2D NR	✓	✓	✓	–	–	–	–	–	–

Dome Camera

	PIH 2222 / 2242	PIH-2226/2246	PIH 232X / 234X	PIH 2342X / 2346X	PIH 242 / 244	PIH 252 / 254	PIH 262 / 264	PIH 262X / 264X
Name	Vandal Resistant Color Dome Camera	Vandal Resistant Dual Voltage Color Dome Camera	Vandal Resistant Varifocal Dome Camera	Vandal Resistant Varifocal Day & Night Dome Camera	Mini Dome Camera	Metal Mini Dome Camera	Color Dome Camera	Varifocal Dome Camera
Color Resolution	380TVL (PIH-2222) 540TVL (PIH-2242)	380TVL (PIH-2226) 540TVL (PIH-2246)	380TVL (PIH-232X) 540TVL (PIH-234X)	540TVL	380TVL (PIH-242) 540TVL (PIH-244)	380TVL (PIH-252) 540TVL (PIH-254)	380TVL (PIH-262) 540TVL (PIH-264)	380TVL (PIH-262X) 540TVL (PIH-264X)
Minimum Illumination — Color	0.2 Lux / F1.8 (PIH-2222); 0.5 Lux / 1.8 (PIH-2242)	0.01Lux / F1.2 (PIH-232X); 0.03 Lux / F1.2 (PIH-234X)	0.01 Lux /F1.2 (PIH-232X); 0.03 Lux /F1.2 (PIH-234X)	0.03 Lux / F1.2; 0.07 Lux / F1.6	0.2 Lux / F1.8(PIH-242); 0.5 Lux / 1.8 (PIH-244)	0.2 Lux / F1.8(PIH-252); 0.5 Lux / 1.8 (PIH-254)	0.2 Lux / F1.8(PIH-262); 0.5 Lux / F1.8 (PIH-264)	0.01 Lux /F1.2 (PIH-262X); 0.03 Lux /F1.2 (PIH-264X)
Minimum Illumination — Mono	-	-	-	0.007 Lux /F1.2 0.015 Lux /F1.6	-	-	-	-
Varifocal Lens	-	-	✓	✓	-	-	-	✓
Dual Voltage	-	✓	✓	✓	-	-	-	-
D/N (IR Cut Filter)	-	-	-	✓	-	-	-	-
White Balance	✓	✓	✓	✓	✓	✓	✓	✓
Aperture Gain Correction	✓	✓	✓	✓	✓	✓	✓	✓
Electronic Shutter Speed	✓	✓	-	-	✓	✓	✓	-
Back Light Compensation	✓	✓	✓	✓	✓	✓	✓	✓
IP68	✓	✓	✓	✓	-	-	-	-

LILIN

700TVL ICON

Resolution Of 700TV Lives

By adopting a diagonal 6mm(1/3") 480K pixels, 570K pixels CCD, the camera produces clear picture quality with a horizontal resolution of 700TV lines for color.
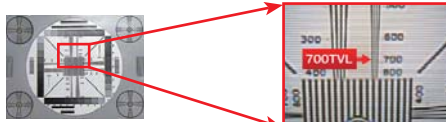
700 TVL

700 TVL

Conventional

High Light Compensation

Improves the visual recognition of license plates and other such objects by suppressing or masking strong light sources (such as the headlights of automobiles) in dark places.

Conventional   HLC

Adaptive Tone Reproduction

Improves the visibility of the entire picture by providing the optimum gradation compensation.

Conventional   2D ATR

AWB

Allows the color camera to adjust the tone according to the light source, adjust to produce white color while detecting white color object in the scene.

AWB OFF   AWB ON

Noise Reduction

Reduces the image noise in order to improve the image quality of the camera ,in particular ,it reduces the noise which is generated under low-brightness shooting conditions and other high-gain states

▶ **Noise reduction keeping image sharpness (2D)**

NR Off   Conventional NR

Preserved edge by New 2D-NR

Privacy Zone

Privacy zones prevent objects and areas such as windows and doors which are within in the camera's viewing range but not in the scope of surveillance , 8 masking areas per screen simultaneously.

Conventional   Privacy Zone

OSD

This camera provides an on screen display (OSD) setup menu where all advanced functions can be selected and setup via OSD.

Color Rolling Suppression (ANTI CR)

Suppresses the color rolling which arises when there are slight deviations between the blinking frequency of non -inverter fluorescent lights and the drive frequency of the image sensor devices.

ANTI CR

LILIN

ICON

V/F Lens — Vari-Focal

Adjustable lens, can zoom in or zoom out, and iris adjust automatically.

Vari-Focal   Zoom in   Zoom out

WDR — Wide Dynamic Range

Wide Dynamic Range – utilizes 1/3" Vertical Double-Density Interline CCD Sensor incorporating powerful 3D WDR, captures cleaner and superior high resolution pictures even in harsh lighting conditions typically experienced when outside sunlight and indoor light sources overlap.

BLC — BLC

When light is behind the main object, the main object and back ground's light and shade contrast is big, uses backlight compensation function to make both main object and background exposure level close.

BLC OFF   BLC ON

HSBLC — Highlight Suppress Back Light Compensation

The HSBLC function that effectively blocks strong light sources such as headlights.
It provides optimum performance in recognizing vehicular license plates and objects at night.

Conventional   HSBLC

D&N — Day & Night with IR Cut Filter

Day & Night- equip with built-in Mechanical ICR filter perfect for 24-hour and 7 day (24/7) surveillance. It provides perfectly visible colors during daylight and IR Cut filter remove automatically at night time to give clear B/W images at night as well.

Day   Night

Privacy Zone — Privacy Zone

Privacy Zone – with the advanced Privacy Zone Masking function, unwanted or prohibited areas within an image can be masked appropriately.

Conventional   Privacy Zone

Slow shutter — Slow shutter

Under low illumination, could make objects background brighter.
(2~16Fld / 24Fld / 32Fld / 64Fld / 128Fld / 256Fld / 512Fld)
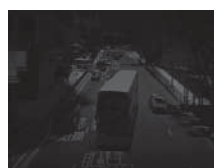
Slow Shutter OFF   Slow Shutter ON

Camera Series

LILIN

ICON

Sens-Up –equipped with a maximum X256 sens

Sens-Up –equipped with a maximum X256 sens-up and low luminance levels of 0.0002 Lux (F1.2), the camera achieves excellent performance in processing images especially in very low light conditions.

Sens.Up OFF   Sens.Up ON

Ultrahigh Resolution 600TVL

Ultrahigh Resolution 600TVL – the camera delivers unmatched imaging with 600TVL Ultra high Resolution color and 700 TVL black & white.

600 TVL

800-
700-
600-
500-
400-

420 TVL

Color:600TVL

700 TVL

800-
700-
600-
500-
400-
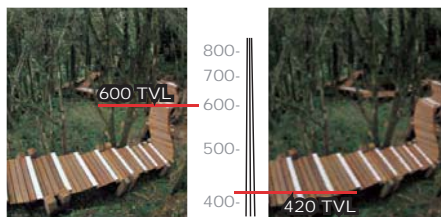
480 TVL
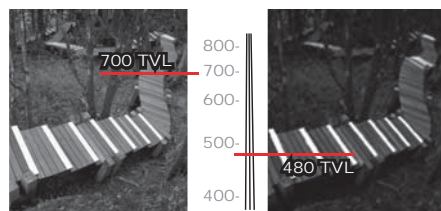
Mono:700TVL

AGC

In low brightness situation, the Auto Gain Control will be adjusted according to lighting condition for displaying a bright and clear image.

AGC OFF   AGC ON

Vandal Proof

Withstand a blow from a 10 lbs sledgehammer

DZ : Digital Zoom

Digital Zoom (From 1 time to 10 times)

Original(1x)

2x ZOOM   10x ZOOM

Electronic Image Stabilizer

The EIS function compensates for any camera movement, to produce more stable pictures.

EIS OFF   EIS ON

IP Rated

IP Rated, water-proof and dust proof

3D Digital Noise Reduction

3D Digital Noise Reduction – accomplish more precise noise reduction, consequently producing the most vivid and razor sharp imaging.

DNR OFF   DNR ON

Dual Voltage

DC12V / AC24V

LILIN

ICON

IR Cut Filter

Auto Selectable / Automatic Switch from Color Mode to Monochrome.

Day

Light Transmission

Wave Length(nm)   100   380   770   1000

Day

Night

Light Transmission

Wave Length(nm)   100   380   770   1000

Night
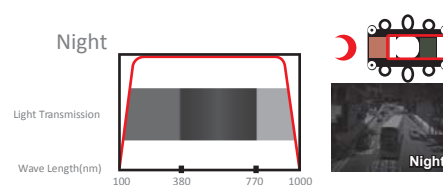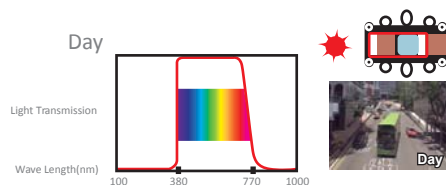
IR LED

Built in Infrared LED, enhance the brightness of illuminated object

IR LED OFF   IR LED ON

OSD

On-screen display function may display date, time, camera ID, system configuration and control details.

AWB

Allows the color camera to adjust the tone according to the light source, adjust to produce white color while detecting white color object in the scene.

AWB OFF   AWB ON

Flickerless

Prevent image flickering cause by different frequency between light and camera system.

Flickerless OFF   Flickerless ON

Audio Output

Audio Output

Motion Detection

Since the camera detects motion without any additional external sensor, you can monitor activity more efficiently.
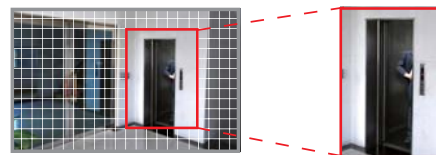
alarm

Optical Zoom Lens

Choice of 2.6X.12X.25X.30X.35X optical zoom with maintain focus.

Conventional   Optical Zoom Lens

3-X

3-Axis Camera Construction

LILIN
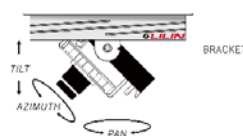
CMD 2082

ATR 700TVL Color Mini Dome Camera

Features

- Resolution Of 700TV Lives
- Adaptive Tone Reproduction(ATR)
- Noise Reduction(2D-NR)
- High Light Compensation(HLC)
- Color Rolling Suppression(ANTI CR)
- Day & Night
- White Balance
- On Screen Display(OSD)
- Privacy Zone

700TVL | **2D ATR** | **2D NR** | **HLC** | **ANTI CR** | **D&N** | **AWB** | **Privacy Zone**

OSD | **IR Cut Filter** | **BLC** | **AGC** | **DC**

Dimensions Dome : Φ62.2,Base & Fix Ring: Φ110x45mm

(Unit:mm)

Dome Camera				
Name		ATR 700TVL Color Mini Dome Camera		
Series Number		CMD2082		
Model		CMD2082N/P3.6		CMD2082N/P6
Lens	Focal Length	3.6mm		6mm
	Iris	F2.0		F1.8
	Angle of View — H	73°		44.5°
	V	54.5°		33.1°
	D	92°		56°
Power Supply		DC12V (10%)		
System		NTSC or PAL		
Pick Up Element		1/3" Exview HAD CCD Sensor		
Effective Pixels	NTSC	976(H) x 494(V) [NTSC]		
	PAL	976(H) x 582(V) [PAL]		
Chip Size		5.58mm(H) x 4.67mm(V)		
H/V Sync. Frequency	NTSC	15.734 KHz / 59.94Hz [NTSC]		
	PAL	15.625 KHz / 50Hz [PAL]		
Scanning System		2:1 Interlace		
Menu Control		OSD Control		
Sync. Mode		Internal		
Resolution		700TV Lines		
Minimum Illumination		0.2Lux/F1.8		
S/N Ratio		More Then 50dB (AGC-OFF)		
Auto Gain Control		AUTO / MANUAL		
White Balance		ATW / PUSH / USER1 / USER2 / ANTI CR / MANUAL / PUSH LOCK		
Shutte	Auto	1/60(1/50)S ~ 1/100,000S		
	Manual	1/60(1/50)S, 1/100(1/120)S, 1/250S, 1/500S, 1/1,000S, 1/2,000S, 1/4,000S, 1/10,000S		
Adaptive Tone Reproduction	Luminance	LOW / MID / HIGH		
	Contrast	LOW / MIDLOW / MID / MIDHIGH / HIGH		
Back Light Compensation		BLC / HLC(High Light Compensation) / OFF		
Noise Reduction		Y / C / Y/C / OFF		
Picture Adjust		MIRROR / BRIGHTNESS / CONTRAST / SHARPNESS / HUE / GAIN		
Privacy Masking		ON / OFF		
Privacy Masking Zone		8 Zones		
OSD Language		ENGLISH/JAPANESE/GERMANS/FRENCH/RUSSIAN/PORTUGUESE/SPANISH/SIMPLY CHINESE		
Video Output		CVBS 1.0Vp-p, 75ohm		
Gamma Characteristic		γ=0.45		
Power Consumption		1.9W		
Operating Temperature		-10°C ~ + 50°C (14°F ~122°F)		
Dimension		Dome: Ø62.2mm ,Base & Fix Ring: Ø110x45mm		
Weight		350g		

LILIN

CMD 2182 / 2186

ATR 700TVL Color Dome Camera

Features

- Resolution Of 700TV Lives
- Adaptive Tone Reproduction(ATR)
- Noise Reduction(2D-NR)
- High Light Compensation(HLC)
- Color Rolling Suppression(ANTI CR)
- White Balance
- On Screen Display(OSD)
- Privacy Zone
- 3-Axis camera construction

Dimensions Ø120 x 102mm

(Unit:mm)

Bracket

Dome Camera				
Name		ATR 700TVL Color Dome Camera			
Series Number		CMD2182 / 2186			
Model		CMD2182N/P3.6	CMD2182N/P6	CMD2186N/P3.6	CMD2186N/P6
Lens	Focal Length	3.6mm	6mm	3.6mm	6mm
	Iris	F2.0	F1.8	F2.0	F1.8
	Angle of View — H	73°	44.5°	73°	44.5°
	V	54.5°	33.1°	54.5°	33.1°
	D	92°	56°	92°	56°
Power Supply		DC12V±10%		DC12V±10% / AC24V±10%	
System		NTSC or PAL			
Pick Up Element		1/3" Exview HAD CCD Sensor			
Effective Pixels	NTSC	976(H) x 494(V) [NTSC]			
	PAL	976(H) x 582(V) [PAL]			
Chip Size		5.58mm(H) x 4.67mm(V)			
H/V Sync. Frequency	NTSC	15.734 KHz / 59.94Hz [NTSC]			
	PAL	15.625 KHz / 50Hz [PAL]			
Scanning System		2:1 Interlace			
Menu Control		OSD Control			
Sync. Mode		Internal			
Resolution		700TV			
Minimum Illumination		0.2Lux / F1.8			
S/N Ratio		More Then 50dB (AGC-OFF)			
Auto Gain Control		AUTO / MANUAL			
White Balance		ATW / PUSH / USER1 / USER2 / ANTICR / MANUAL / PUSH LOCK			
Shutte	Auto	1/60(1/50)S ~ 1/100,000S			
	Manual	1/60(1/50)S, 1/100(1/120)S, 1/250S, 1/500S, 1/1,000S, 1/2,000S, 1/4,000S, 1/10,000S			
Adaptive Tone Reproduction	Luminance	LOW / MID / HIGH			
	Contrast	LOW / MIDLOW / MID / MIDHIGH / HIGH			
Back Light Compensation		BLC / HLC(High Light Compensation) / OFF			
Noise Reduction		Y / C / Y/C / OFF			
Picture Adjust		MIRROR / BRIGHTNESS / CONTRAST / SHARPNESS / HUE / GAIN			
Privacy Masking		ON / OFF			
Privacy Masking Zone		8 Zones			
OSD Language		ENGLISH/JAPANESE/GERMANS/FRENCH/RUSSIAN/PORTUGUESE/SPANISH/SIMPLY CHINESE			
Video Output		CVBS 1.0Vp-p, 75ohm			
Gamma Characteristic		γ=0.45			
Power Consumption		1.9W		2.7W(DC) / 2.2W(AC)	
Operating Temperature		-10°C ~ + 50°C (14°F ~122°F)			
Dimension		Ø120 x 102mm			
Weight		290g		310g	

$\mathscr{S}$ Design and specifications are subject to change without notice.

14

CMD 2182X / 2186X

ATR 700TVL Color Vari-Focal Dome Camera

Features

- Resolution Of 700TV Lives
- Adaptive Tone Reproduction(ATR)
- Noise Reduction(2D-NR)
- High Light Compensation(HLC)
- Color Rolling Suppression(ANTI CR)
- Day & Night (IR Cut Removable)
- White Balance
- On Screen Display(OSD)
- Privacy Zone
- 3-Axis camera construction

700TVL	2D ATR	2D NR	HLC	ANTI CR	D&N	AWB	Privacy Zone
OSD	V/F Lens	IR Cut Filter	BLC	AGC	3-X	AC DC	

Dimensions Ø120 x 102mm

(Unit:mm)

Bracket

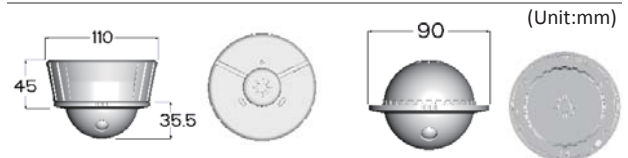| Dome Camera		
Name	ATR 700TVL Color Vari-Focal Dome Camera	
Series Number	CMD 2182X / 2186X	
Model	CMD2182X3.6N/P	CMD2186X3.6N/P
Lens	Focal Length	3.3~12 mm	
	Iris	F1.4	
	Angle of View — H	89.8°~ 23.9°	
	Angle of View — V	63.6°~ 17.9°	
	Angle of View — D	125.7°~ 29.9°	
Power Supply	DC12V±10%	DC12V±10% /AC24V±10%
System	NTSC or PAL	
Pick Up Element	1/3" Exview HAD CCD Sensor	
Effective Pixels — NTSC	976(H) x 494(V) [NTSC]	
Effective Pixels — PAL	976(H) x 582(V) [PAL]	
Chip Size	5.58mm(H) x 4.67mm(V)	
H/V Sync. Frequency — NTSC	15.734 KHz / 59.94Hz [NTSC]	
H/V Sync. Frequency — PAL	15.625 KHz / 50Hz [PAL]	
Scanning System	2:1 Interlace	
Menu Control	OSD Control	
Sync. Mode	Internal	
Infrared Cut Filter	Auto Selectable, Automatic Switch From Color Mode to Monochrome	
Resolution	Color: 700TV Lines, Mono: 750TV Lines	
Minimum Illumination	Color: 0.045Lux / F1.4 Mono: 0.009Lux / F1.4	
S/N Ratio	More Then 50dB (AGC-OFF)	
Auto Gain Control	AUTO / MANUAL	
White Balance	ATW / PUSH / USER1 / USER2 / ANTICR / MANUAL / PUSH LOCK	
Shutte — Auto	1/60(1/50)S ~ 1/100,000S	
Shutte — Manual	1/60(1/50)S, 1/100(1/120)S, 1/250S, 1/500S, 1/1,000S, 1/2,000S, 1/4,000S, 1/10,000S	
Adaptive Tone Reproduction — Luminance	LOW / MID / HIGH	
Adaptive Tone Reproduction — Contrast	LOW / MIDLOW / MID / MIDHIGH / HIGH	
Back Light Compensation	BLC / HLC(High Light Compensation) / OFF	
Noise Reduction	Y / C / Y/C / OFF	
Picture Adjust	MIRROR / BRIGHTNESS / CONTRAST / SHARPNESS / HUE / GAIN	
Privacy Masking	ON / OFF	
Privacy Masking Zone	8 Zones	
OSD Language	ENGLISH/JAPANESE/GERMANS/FRENCH/RUSSIAN/PORTUGUESE/SPANISH/SIMPLY CHINESE	
Video Output	CVBS 1.0Vp-p, 75ohm	
Gamma Characteristic	γ=0.45	
Power Consumption	2.5W	3.3W(DC) / 2.7W(AC)
Operating Temperature	-10°C ~ + 50°C (14°F ~122°F)	
Dimension	Ø120 x 102mm	
Weight	320g	340g

Design and specifications are subject to change without notice.

LILIN

CMR 6082X

D&N Vandal Resistant 700TVL
Vari-Focal IR Dome Camera

Features

- Resolution Of 700TV Lives
- Adaptive Tone Reproduction(ATR)
- Noise Reduction(2D-NR)
- High Light Compensation(HLC)
- Color Rolling Suppression(ANTI CR)
- Day & Night (IR Cut Removable)
- White Balance
- Privacy Zone
- High Efficiency IR LED(Ø5*35Pcs); Radiant Distance 30M
- Aluminum Housing with IP66 Rating
- Housing and Bottom Chassis are Integrated
- Innovatory External Adjustment with Waterproof for Zoom and Focus of Vari-Focal Lens
- Impact Resistant Polycarbonate Transparence Mask
- Infrared Cut Filter Mechanism, Auto Color & Mono Switching
- Automatically Actives IR LED: Below 10Lux

Dimensions Ø130 x 110mm

(Unit:mm)

Weatherproof & Vandal Proof IR Dome Camera			
Name			Day & Night Vandal Resistant 700TVL Vari-Focal IR Dome Camera
Series Number			CMR6082X
Model			CMR6082X3.6N/P
Lens	Focal Length		3.3~12mm
	Iris		F1.4
	Angle of view	H	89.8° ~ 23.9°
		V	63.6° ~ 17.9°
		D	125.7° ~ 29.9°
Power Input Voltage			DC12V±10%
System			NTSC or PAL
Sync. Mode			Internal
Pick Up Element			1/3" Exview HAD CCD Sensor
Effective Pixels			976(H) x 494(V) [NTSC] / 976(H) x 582(V) [PAL]
Chip Size			5.58mm(H) x 4.67mm(V)
Horizontal & Vertical Sync. Frequency			15.734KHz / 59.94Hz [NTSC] / 15.625KHz / 50Hz [PAL]
Scanning System			2 : 1 Interlace
Infrared Cut Filter			Auto Selectable, Automatic Switch From Color Mode to Monochrome
Resolution			Color: 700TV Lines, Mono: 750TV Lines
Minimum Illumination			Color: 0.045Lux / F1.4, Mono: 0.009Lux / F1.4, 0Lux(IR ON)
S/N Ratio			More Than 50dB (AGC OFF)
Auto Gain Control			44.8 dB Variable Gain
White Balance			ATW
Aperture Correction			Horizontal, Vertical
Power Consumption			6.8W
Back Light Compensation			Auto
Video Output			CVBS1.0Vp-p , 75Ohm
Operating Temperature			-10°C ~ +50°C (14°F ~ 122°F)
Gamma Characteristic			γ= 0.45
IP Rating			IP66
Vandal Proof			Withstand a blow from a 10 lbs sledgehammer
Infrared LED	Peak Wavelength		850nm
	Beam Spread		30°
	Radiant Distance		30M
Dimension			Ø130 x 110mm
Weight			880g

CMR 7082 / 7084 / 7088

D&N ATR 700TVL IR Camera

Features

- Resolution Of 700TV Lives
- Adaptive Tone Reproduction(ATR)
- Noise Reduction(2D-NR)
- High Light Compensation(HLC)
- Color Rolling Suppression(ANTI CR)
- Day & Night (IR Cut Removable)
- White Balance
- On Screen Display(OSD)
- Privacy Zone
- Radiant Distance Up to 30M

| 700TVL | 2D ATR | 2D NR | HLC | ANTI CR | D&N | AWB | Privacy Zone |
| OSD | V/F Lens | IR LED | 30M | IR Cut Filter | IP Rated | BLC | Heat Resistant Glass |

Dimensions Body : 82mm(W) x 72.5mm(H) x 154mm(D)

Bracket: 101mm(L)

(Unit:mm)

Weatherproof IR Camera							
Name		Day & Night ATR 700TVL IR Camera					
Series Number		CMR 7082 / 7084 / 7088					
Model		CMR7082N/P3.6	CMR7082N/P6	CMR7084N/P3.6	CMR7084N/P6	CMR7088N/P3.6	CMR7088N/P6
Lens	Focal Length	3.6mm	6mm	3.6mm	6mm	3.6mm	6mm
	Iris	F2.0	F1.8	F2.0	F1.8	F2.0	F1.8
	Angle of View H	73°	44.5°	73°	44.5°	73°	44.5°
	V	54.5°	33.1°	54.5°	33.1°	54.5°	33.1°
	D	92°	56°	92°	56°	92°	56°
Power Supply		DC12V (±10%)		AC24V±10%		AC100~240V	
System		NTSC or PAL					
Pick Up Element		1/3" Exview HAD CCD Sensor					
Effective Pixels	NTSC	976(H) x 494(V)					
	PAL	976(H) x 582(V)					
Chip Size		5.58mm(H) x 4.67mm(V)					
H/V Sync. Frequency	NTSC	15.734 KHz / 59.94Hz [NTSC]					
	PAL	15.625 KHz / 50Hz [PAL]					
Scanning System		2:1 Interlace					
Menu Control		OSD Control					
Sync. Mode		Internal					
Resolution		Color: 700TV Lines, Mono: 750TV Lines					
Minimum Illumination		0.2Lux/F1.8, 0Lux(IR On)					
S/N Ratio		More Then 50dB (AGC-OFF)					
Auto Gain Control		AUTO / MANUAL					
White Balance		ATW / PUSH / USER1 / USER2 / ANTI CR / MANUAL / PUSH LOCK					
Shutte	Auto	1/60(1/50)S ~ 1/100,000S					
	Manual	1/60(1/50)S, 1/100(1/120)S, 1/250S, 1/500S, 1/1,000S, 1/2,000S, 1/4,000S, 1/10,000S					
Adaptive Tone Reproduction	Luminance	LOW / MID / HIGH					
	Contrast	LOW / MIDLOW / MID / MIDHIGH / HIGH					
Back Light Compensation		BLC / HLC(High Light Compensation) / OFF					
Noise Reduction		Y / C / Y/C / OFF					
Picture Adjust		MIRROR / BRIGHTNESS / CONTRAST / SHARPNESS / HUE / GAIN					
Privacy Masking		ON / OFF					
Privacy Masking Zone		8 Zones					
OSD Language		ENGLISH/JAPANESE/GERMANS/FRENCH/RUSSIAN/PORTUGUESE/SPANISH/SIMPLY CHINESE					
Video Output		CVBS 1.0Vp-p, 75ohm					
Gamma Characteristic		γ=0.45					
Power Consumption		7.8W		11W			
Operating Temperature		-10°C ~ + 50°C (14°F ~122°F)					
IP Rating		IP66					
Windows		Φ65 Heat Resistant Glass					
InfraredLED	PeakWavelength	850nm					
	Radiant Distance	30M					
	Beam Spread	30°					
Dimension		Body:82mm(W) x 72.5mm(H) x 154mm(D), Bracket: 101mm(L)					
Weight		530g		540g			

LILIN

CMR 7082X

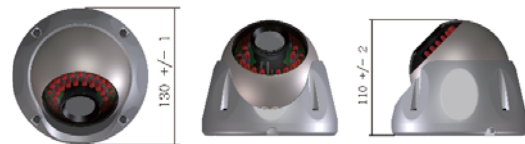## D&N ATR 700TVL Vari-Focal IR Camera

NEW

Features

- Resolution Of 700TV Lives
- Adaptive Tone Reproduction(ATR)
- Noise Reduction(2D-NR)
- High Light Compensation(HLC)
- Color Rolling Suppression(ANTI CR)
- Day & Night (IR Cut Removable)
- White Balance
- On Screen Display(OSD)
- Privacy Zone
- Radiant Distance Up to 30M

700TVL	2D ATR	2D NR	HLC	ANTI CR	D&N	AWB	Privacy Zone
OSD	V/F Lens	IR LED	30M	IR Cut Filter	IP Rated	BLC	Heat Resistant Glass

Dimensions Body : 82mm(W) x 72.5mm(H) x 154mm(D)

Bracket: 101mm(L)

(Unit:mm)

Weatherproof IR Camera			
Name			Day & Night ATR 700TVL Vari-Focal IR Camera
Series Number			CMR 7082X
Model			CMR7082X3.6N/P
Lens	Focal Length		3.3 ~ 12mm
	Iris		F1.4
	Angle of View	H	89.8° ~ 23.9°
		V	63.6° ~ 17.9°
		D	125.7° ~ 29.9°
Power Supply			DC12V (±10%)
System			NTSC or PAL
Pick Up Element			1/3" Exview HAD CCD Sensor
Effective Pixels	NTSC		976(H) x 494(V) [NTSC]
	PAL		976(H) x 582(V) [PAL]
Chip Size			5.58mm(H) x 4.67mm(V)
H/V Sync. Frequency	NTSC		15.734 KHz / 59.94Hz
	PAL		15.625 KHz / 50Hz
Scanning System			2:1 Interlace
Menu Control			OSD Control
Sync. Mode			Internal
Infrared Cut Filter			Auto Selectable, Automatic Switch From Color Mode to Monochrome
Resolution			Color: 700TV Lines, Mono: 750TV Lines
Minimum Illumination	Color		0.045Lux / F1.4
	Mono		0.009Lux / F1.4
	IR On		0Lux
S/N Ratio			More Then 50dB (AGC-OFF)
Auto Gain Control			AUTO / MANUAL
White Balance			ATW / PUSH / USER1 / USER2 / ANTI CR / MANUAL / PUSH LOCK
Shutte	Auto		1/60(1/50)S ~ 1/100,000S
	Manual		1/60(1/50)S, 1/100(1/120)S, 1/250S, 1/500S, 1/1,000S, 1/2,000S, 1/4,000S, 1/10,000S
Adaptive Tone Reproduction	Luminance		LOW / MID / HIGH
	Contrast		LOW / MIDLOW / MID / MIDHIGH / HIGH
Back Light Compensation			BLC / HLC(High Light Compensation) / OFF
Noise Reduction			Y / C / Y/C / OFF
Picture Adjust			MIRROR / BRIGHTNESS / CONTRAST / SHARPNESS / HUE / GAIN
Privacy Masking			ON / OFF
Privacy Masking Zone			8 Zones
OSD Language			ENGLISH/JAPANESE/GERMANS/FRENCH/RUSSIAN/PORTUGUESE/SPANISH/SIMPLY CHINESE
Video Output			CVBS 1.0Vp-p, 75ohm
Gamma Characteristic			γ=0.45
Power Consumption			6.8W
Operating Temperature			-10°C ~ + 50°C (14°F ~122°F)
IP Rating			IP66
Windows			Φ65 Heat Resistant Glass
InfraredLED	PeakWavelength		850nm
	Radiant Distance		30M
	Beam Spread		30°
Dimension			Body:82mm(W) x 72.5mm(H) x 154mm(D), Bracket: 101mm(L)
Weight			550g

LILIN

CMR 7284X / 7288X

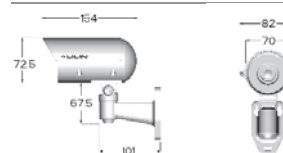## D/N ATR 700TVL Vari-Focal IR Camera

NEW

Features

- Resolution Of 700TV Lives
- Adaptive Tone Reproduction(ATR)
- Noise Reduction(2D-NR)
- High Light Compensation(HLC)
- Color Rolling Suppression(ANTI CR)
- Day & Night (IR Cut Removable)
- White Balance
- On Screen Display(OSD)
- Privacy Zone
- Radiant Distance Up to 60M

700TVL | 2D ATR | 2D NR | HLC | ANTI CR | D&N | AWB | Privacy Zone
OSD | V/F Lens | IR LED | 60M | IR Cut Filter | IP Rated | BLC | Heat Resistant Glass

Dimensions Body: 120mm(W) x 112mm(H) x 328mm(D)

Bracket:211.5mm (L)
(Unit:mm)

Weatherproof IR Camera			
Name		Day & Night ATR 700TVL Vari-Focal IR Camera	
Series Number		CMR7284X / 7288X	
Model		CMR7284X3.6N/P	CMR7288X3.6N/P
Lens	Focal Length	3.3~12 mm	
	Iris	F1.4	
	Angle of View — H	89.8°~ 23.9°	
	Angle of View — V	63.6°~ 17.9°	
	Angle of View — D	125.7°~ 29.9°	
Power Supply		AC24V±10%	AC100~240V
System		NTSC or PAL	
Pick Up Element		1/3" Exview HAD CCD Sensor	
Effective Pixels	NTSC	976(H) x 494(V) [NTSC]	
	PAL	976(H) x 582(V) [PAL]	
Chip Size		5.58mm(H) x 4.67mm(V)	
H/V Sync. Frequency	NTSC	15.734 KHz / 59.94Hz [NTSC]	
	PAL	15.625 KHz / 50Hz [PAL]	
Scanning System		2:1 Interlace	
Menu Control		OSD Control	
Sync. Mode		Internal	
Infrared Cut Filter		Auto Selectable, Automatic Switch From Color Mode to Monochrome	
Resolution		Color: 700TV Lines, Mono: 750TV Lines	
Minimum Illumination	Color	0.045Lux / F1.4	
	Mono	0.009Lux / F1.4	
	IR On	0Lux	
S/N Ratio		More Then 50dB (AGC-OFF)	
Auto Gain Control		AUTO / MANUAL	
White Balance		ATW / PUSH / USER1 / USER2 / ANTI CR / MANUAL / PUSH LOCK	
Shutte	Auto	1/60(1/50)S ~ 1/100,000S	
	Manual	1/60(1/50)S, 1/100(1/120)S, 1/250S, 1/500S, 1/1,000S, 1/2,000S, 1/4,000S, 1/10,000S	
Adaptive Tone Reproduction	Luminance	LOW / MID / HIGH	
	Contrast	LOW / MIDLOW / MID / MIDHIGH / HIGH	
Back Light Compensation		BLC / HLC(High Light Compensation) / OFF	
Noise Reduction		Y / C / Y/C / OFF	
Picture Adjust		MIRROR / BRIGHTNESS / CONTRAST / SHARPNESS / HUE / GAIN	
Privacy Masking		ON / OFF	
Privacy Masking Zone		8 Zones	
OSD Language		ENGLISH/JAPANESE/GERMANS/FRENCH/RUSSIAN/PORTUGUESE/SPANISH/SIMPLY CHINESE	
Video Output		CVBS 1.0Vp-p, 75ohm	
Gamma Characteristic		γ=0.45	
Power Consumption		14W	
Operating Temperature		-10°C ~ + 50°C (14°F ~122°F)	
IP Rating		IP66	
Windows		Φ78 Heat Resistant Glass	
InfraredLED	PeakWavelength	850nm	
	Radiant Distance	60M	
	Beam Spread	30°	
Dimension		Body: 120mm(W) x 112mm(H) x 328mm(D) / Bracket:211.5mm (L)	
Weight		2000g	

Design and specifications are subject to change without notice.

CMR 7384X / 7388X

Camera Series
IR Camera

NEW

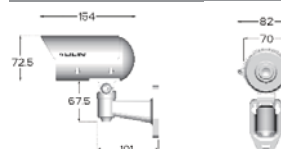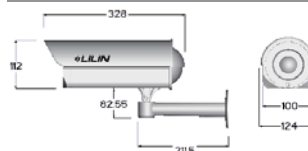## D&N ATR 700TVL Vari-Focal IR Camera

Features

- Resolution Of 700TV Lives
- Adaptive Tone Reproduction(ATR)
- Noise Reduction(2D-NR)
- High Light Compensation(HLC)
- Color Rolling Suppression(ANTI CR)
- Day & Night (IR Cut Removable)
- White Balance
- On Screen Display(OSD)
- Privacy Zone
- Radiant Distance Up to 100M

Dimensions Body: 146mm(W) x 154mm(H) x 374mm(D)

Bracket:211.5mm (L)
(Unit:mm)

700TVL	2D ATR	2D NR	HLC	ANTI CR	D&N	AWB	Privacy Zone
OSD	V/F Lens	IR LED	100M	IR Cut Filter	IP Rated	BLC	Heat Resistant Glass
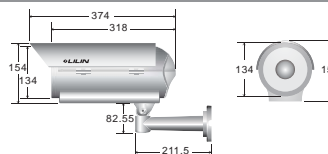
Weatherproof IR Camera			
Name		Day & Night ATR 700TVL Vari-Focal IR Camera	
Series Number		CMR7384X / 7388X	
Model		CMR7384X12N/P	CMR7388X12N/P
Lens	Focal Length	5~60 mm	
	Iris	F1.5	
	Angle of View — H	51.5°~ 5.6°	
	V	37.5°~ 4.3°	
	D	6.5°~ 6.9°	
Power Supply		AC24V±10%	AC100~240V
System		NTSC or PAL	
Pick Up Element		1/3" Exview HAD CCD Sensor	
Effective Pixels	NTSC	976(H) x 494(V) [NTSC]	
	PAL	976(H) x 582(V) [PAL]	
Chip Size		5.58mm(H) x 4.67mm(V)	
H/V Sync. Frequency	NTSC	15.734 KHz / 59.94Hz [NTSC]	
	PAL	15.625 KHz / 50Hz [PAL]	
Scanning System		2:1 Interlace	
Menu Control		OSD Control	
Sync. Mode		Internal	
Infrared Cut Filter		Auto Selectable, Automatic Switch From Color Mode to Monochrome	
Resolution		Color: 700TV Lines, Mono: 750TV Lines	
Minimum Illumination	Color	0.045Lux / F1.5	
	Mono	0.009Lux / F1.5	
	IR On	0Lux	
S/N Ratio		More Then 50dB (AGC-OFF)	
Auto Gain Control		AUTO / MANUAL	
White Balance		ATW / PUSH / USER1 / USER2 / ANTI CR / MANUAL / PUSH LOCK	
Shutte	Auto	1/60(1/50)S ~ 1/100,000S	
	Manual	1/60(1/50)S, 1/100(1/120)S, 1/250S, 1/500S, 1/1,000S, 1/2,000S, 1/4,000S, 1/10,000S	
Adaptive Tone Reproduction	Luminance	LOW / MID / HIGH	
	Contrast	LOW / MIDLOW / MID / MIDHIGH / HIGH	
Back Light Compensation		BLC / HLC(High Light Compensation) / OFF	
Noise Reduction		Y / C / Y/C / OFF	
Picture Adjust		MIRROR / BRIGHTNESS / CONTRAST / SHARPNESS / HUE / GAIN	
Privacy Masking		ON / OFF	
Privacy Masking Zone		8 Zones	
OSD Language		ENGLISH/JAPANESE/GERMANS/FRENCH/RUSSIAN/PORTUGUESE/SPANISH/SIMPLY CHINESE	
Video Output		CVBS 1.0Vp-p, 75ohm	
Gamma Characteristic		γ=0.45	
Power Consumption		22W	
Operating Temperature		-10°C ~ + 50°C (14°F ~122°F)	
IP Rating		IP66	
Windows		Φ110 Heat Resistant Glass	
Blower Control		On:35°C , Off:25°C	
Heater Control		On:15°C , Off:25°C	
Infrared LED	PeakWavelength	850nm	
	Radiant Distance	100M	
	Beam Spread	10°+30°	
Dimension		Body: 146mm(W) x 154mm(H) x 374mm(D) / Bracket:211.5mm (L)	
Weight		3700g	

Design and specifications are subject to change without notice.

LILIN

CMG 176 / 178

WDR D&N Ultrahigh Resolution Camera

Features

- Ultrahigh resolution 600 TV Lines
- Wide dynamic range ratio 4000:1
- 3D Digital Noise Reduction
- Sens-Up(X256) / Low Luminance Light
- Day & Night (IR Cut Removable)
- Motion Detection
- EIS (Electronic Image Stabilization)
- Highlight Suppress Back Light Compensation
- OSD menu setup
- Up to 8 Privacy masking zones
- 10X Digital zoom
- White Balance

Dimensions 56mm x 54mm x 112mm

(Unit:mm)

600TVL	4000:1 WDR	3D DNR	Sens-Up	D&N	IR Cut Filter	Motion	EIS
HSBLC	OSD	Privacy Zone	Digtal Zoom	AWB	Audio Output	Slow shutter	AGC
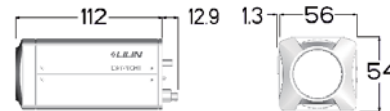
Box type Camera

Name	Wide Dynamic Range Day & Night Ultrahigh Resolution Camera			
Series Number	CMG 176 / 178			
Model	CMG176N	CMG178N	CMG176P	CMG178P
Power Input Voltage	DC12V±10% AC24V±10%	AC100~240V	DC12V±10% AC24V±10%	AC100~240V
Pick Up Element	Sony 1/3" Vertical Double-Density Interline CCD Sensor			
Effective Pixels	768(H) x 494(V)		752(H) x 582(V)	
Chip Size	6.00mm(H) x 5.00mm(V)			
Horizontal & Vertical Sync. Frequency	15.734KHz / 59.94Hz		15.625KHz / 50Hz	
Scanning System	2 : 1 Interlace			
Menu Control	OSD Control			
Sync. Mode	Line-Lock / Internal ; DC12V : Sync. Mode is fixed to Internal			
IR Cut Filter	Auto / Day / Night / Ext			
Resolution	Color : 600TV Lines , Mono : 700TV Lines			
Minimum Illumination	Color : 0.0002 Lux / F1.2 (Sens-Up Auto) ; Mono : 0.0001 Lux / F1.2 (Sens-Up Auto)			
S/N Ratio	More Than 50dB (AGC Off)			
Auto Gain Control	Low / Middle / High /Off			
White Balance	ATW / AWC/ Manual (Indoor/Outdoor)			
Exposure	ALC / ELC			
Electronic Shutter	1/60(1/50)S ~ 1/90,000S			
Slow Shutter	2~16Fld / 24Fld / 32Fld / 64Fld / 128Fld / 256Fld / 512Fld			
Sens-Up	Auto (X256 Max.) / Off			
WDR	Low / Middle / High			
Wide Dynamic Range	4000 : 1			
Back Light Compensation	Low / Middle / High			
High Light Suppress BLC	Yes			
3D Digital Noise Reduction	Low / Middle / High / Off			
Digital Zoom	On (X10 Max.) / Off			
Digital Pan/Tilt	Horizontal / Vertical Direction Can be Operated (According to the Zoom Magnification)			
Sharpness	Adjustable			
Digital Effect	V-Flip / Mirror / Rotate / Off			
Privacy Masking	On / Off			
Privacy Masking Zone	8 Zones			
Motion Detection	On / Off			
Motion Detection Zone	4 Zones			
Motion Detection Trigger Alarm Output	NO / NC			
Electronic Image Stabilizer	On / Off			
Video Output	CVBS1.0Vp-p , 75Ohm			
Audio Output	Yes			
Lens Mount	C or CS Mount			
Auto Iris Drive	Direct Drive(DC) or Video Drive			
Gamma Characteristic	γ= 0.45			
Power Consumption	5.2W (DC12V) / 4.0W (AC24V)	5.5W	5.2W (DC12V) / 4.0W (AC24V)	5.5W
Operating Temperature	-10°C~ +50°C(14°F~ 122°F)			
Dimension	56mm(W) x 54mm(H) x 112mm(D)			
Weight	510g			

LILIN

CMG152 / 156 / 158

D&N Superhigh Resolution Camera

NEW

Features

- Accepts 850nm peak wavelength infrared light sources enabling Day&Night surveillance.
- This is a highly sensitive camera with minimum scene illumination, ensuring good quality images in low light environments.
- When using manual or fixed iris lenses, the electronic shutter function controls the amount of light captured by the CCD by altering the shutter speed between 1/50(1/60)~100,000 of a second.
- Subjects lit from behind can be automatically enhanced through DSP control of the iris and shutter speeds, compensating for poorly illuminated scenes.
- Refining captured image outlines for a sharper video image.
- Automatically tracks the changes in the color temperature, and adjusts the white balance. The color temperature ranging from 2000K to 18000K.
- DC Auto Iris lens can be used.
- Built-in highly sensitive capacitive microphone allows setting up of audio monitoring system.
- Use this ring to adjusts the back-focal distance or picture focus.

540TVL | D&N | AWB | AGC | BLC | Audio Output

Dimensions 56mm(W) x 54mm(H) x 112mm(D)

(Unit:mm)

112   12.9   1.3   56
54

Box type Camera			
Name		Day & Night Superhigh Resolution Camera	
Series Number		CMG152 / 156 / 158	
Model	NTSC	CMG152N	CMG156N	CMG158N
	PAL	CMG152P	CMG156P	CMG158P
Power Input Voltage	AC	-	24V ±10%	100 ~ 240V
	DC	12V ±10%	12V ±10%	-
Sync. Mode		Internal		
Pick Up Element		1/3" Super HAD CCD Sensor		
Effective Pixels	NTSC	768(H) x 494(V)		
	PAL	752(H) x 582(V)		
Chip size		5.59mm(H) x 4.68mm(V)		
H/V Sync. Frequency	NTSC	15.734KHz / 59.94Hz		
	PAL	15.625KHz / 50Hz		
Scanning System		2:1 Interlace		
Resolution		540 TV Lines		
Minimum Illumination		0.03Lux/F1.2 , 0Lux/IR(850nm) On		
S/N Ratio		More than 50dB (AGC-OFF)		
Auto Gain Control		On / Off		
White Balance		ATW		
Aperture Gain Correction		Horizontal , Vertical		
Power Consumption		1.7W	3.0W (DC12V) / 2.5W (AC24V)	4.8W
Shutter		1/60(1/50)S ~ 1/100,000S (Auto or Off)		
Back Light Compensation		Auto		
Video Output		CVBS1.0Vp-p, 75Ohm		
Audio Output		Yes		
Lens Mount		C or CS Mount		
Auto Iris Drive		Direct Drive (DC)		
Operating Temperature		-10°C ~ + 50°C (14°F ~122°F)		
Gamma Characteristic		γ=0.45		
Dimension		56mm(W) x 54mm(H) x 112mm(D)		
Weight		370g	400g	

CMW 12 / 15

Waterproof Vari-Focal Color Camera

Features

- Standard Resolution (380TV Lines) / Super High Resolution (540TV Lines)
- Aluminum Housing with IP 68 Rating
- Housing and Bracket are Integrated
- Innovative External Adjustment with Waterproof for Zoom and Focus of Vari-Focal Lens
- AC24V or AC100~240V Power Supply

| 540TVL | BLC | AGC | AWB | V/F Lens | IP Rated |

Dimensions 100mm (W) x 88mm (H) x 250mm(D)

(Unit:mm)

250   100
224   88
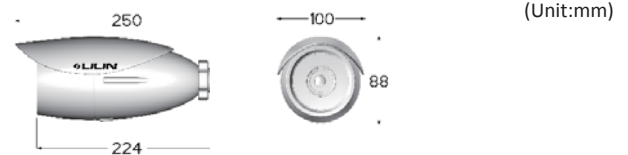
Box type Camera				
Name	Waterproof Vari-Focal Color Camera			
Series Number	CMW12/15			
Type	Standard Resolution		Super High Resolution	
Model	CMW124X2.2N	CMW128X2.2N	CMW154X2.2N	CMW158X2.2N
	CMW124X2.2P	CMW128X2.2P	CMW154X2.2P	CMW158X2.2P
Lens — Focal Length	4 ~ 9mm			
Lens — Iris	F1.6			
Lens — Angle of View — H	69°~ 30.7°			
Lens — Angle of View — V	51°~ 23°			
Lens — Angle of View — D	86°~ 38.5°			
Power Supply	AC24V ±10%	AC100V ~ 240V	AC24V ±10%	AC100V ~ 240V
System	NTSC or PAL			
Image Pick-up Device	Sony 1/3" Exview HAD CCD Sensor		Sony 1/3" Super HAD CCD Sensor	
Effective Pixels — NTSC	510(H) x 492(V)		768(H) x 494(V)	
Effective Pixels — PAL	500(H) x 582(V)		752(H) x 582(V)	
Chip Size	6.00mm(H) x 4.96mm(V)		5.59mm(H) x 4.68mm(V)	
H/V Sync. Frequency — NTSC	15.734 KHz / 59.94Hz			
H/V Sync. Frequency — PAL	15.625 KHz / 50Hz			
Scanning System	2:1 Interlace			
Sync. Mode	Internal			
Resolution	380 TV Lines		540 TV Lines	
Minimum Illumination	0.03 Lux / F1.6		0.07 Lux / F1.6	
S/N Ratio	More than 50dB (AGC-Off)			
Auto Gain Control	36dB Variable Gain			
White Balance	ATW			
Aperture Gain Correction	Horizontal, Vertical			
Back Light Compensation	Auto			
Video Output	CVBS 1.0Vp-p/75 Ω BNC			
Gamma Characteristic	γ=0.45			
Power Consumption	7.2W			
IP Rating	IP68			
Operating Temperature	-10°C ~ + 50°C (14°F ~122°F)			
Dimension	100mm(W) x 88mm(H) x 250mm(D)			
Weight	700g			

CMW 022

Waterproof Color Camera

Features

- 1/3"SONY Super HAD CCD Sensor
- Standard Resolution (380 TV Lines)
- Aluminium Housing with IP68 Rating
- Indoor/Outdoor Installation
- DC12V Power Supply
- Optional 3.6mm, 4.3mm, 6.0mm Lens

380TVL | BLC | AGC | AWB | IP Rated

Dimensions 78mm x 66.5mm x 88mm

107

66.5

78

(Unit:mm)
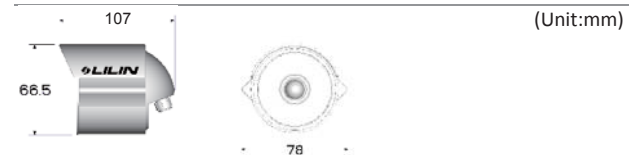
Box type Camera			
Name		Waterproof Color Camera	
Series Number		CMW022	
Type		Standard Resolution	
Model	NTSC	CMW022N6	CMW022N4.3	CMW022N3.6
	PAL	CMW022P6	CMW022P4.3	CMW022P3.6
Lens	Focal Length	6.0mm	4.3mm	3.6mm
	Iris	F1.8	F2.0	F2.0
	Angle of View — H	44.5°	62.4°	73°
	Angle of View — V	33.1°	46.8°	54.5°
	Angle of View — D	56°	78°	92°
Power Supply		DC12V ±10%		
System		NTSC or PAL		
Image Pick-up Device		Sony 1/3" Super HAD CCD Sensor		
Effective Pixels	NTSC	510(H) x 492(V)		
	PAL	500(H) x 582(V)		
Chip Size		5.59mm(H) x 4.68mm(V)		
H/V Sync. Frequency	NTSC	15.734 KHz / 59.94Hz		
	PAL	15.625 KHz / 50Hz		
Scanning System		2:1 Interlace		
Sync. Mode		Internal		
Resolution		380 TV Lines		
Minimum Illumination		0.2 Lux / F1.8		
S/N Ratio		More than 50dB (AGC Off)		
Auto Gain Control		36dB Variable Gain		
White Balance		ATW		
Aperture Gain Correction		Horizontal, Vertical		
Back Light Compensation		Auto		
Video Output		CVBS 1.0Vp-p/75 Ω BNC		
Gamma Characteristic		γ=0.45		
Power Consumption		2.2W		
IP Rating		IP68		
Operating Temperature		-10°C ~ + 50°C (14°F ~122°F)		
Dimension		78mm(W) x 66.5mm(H) x 88mm(D)		
Weight		340g		

CMG 052×35

35X D&N Super Hi-Resolution Camera Zoom Module

Features

- Sony 1/4 " CCD Image Sensor
- Super High Resolution : 520 TV lines
- Built-in 35X Optical Zoom Lens
- OSD Menu Setup , Multi-Language Operation
- Privacy Masking Zone , Up to 8 zones
- IR Cut Filter Mechanism , Auto Color & Mono Switching
- Powerful White Balance
- Day & Night Application for 24Hr Surveillance
- RS-485/RS-232 Communication Control Interface

| 520TVL | D&N | IR Cut Filter | OSD | AGC | Privacy Zone | AWB | O/Z Lens |

Dimensions 78mm (W) x 66.5mm (H) x 88mm(D)

(Unit:mm)

104.6 / 78.8 / 126 / 70 / 70
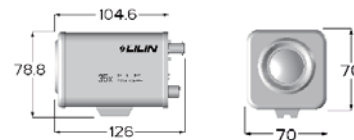
Box Type Camera		
Name	35X Day & Night Super Hi-Resolution Camera Zoom Module	
Series Number	CMG052X35	
Model	CMG052X35N	CMG052X35P
System	NTSC	PAL
Lens — Zoom Ratio	35X Optical Zoom	
Lens — Focal Length	3.43 mm ~ 120 mm	
Lens — Maximum Aperture Ratio	1 : 1.6 (Wide) ~ 4.5 (Tele)	
Lens — Angle of View	Wide : 68.6°(D) 57.8°(H) 43.7°(V) / Tele : 2.23°(D) 1.70°(H) 1.30°(V)	
Image Pick-up Device	Sony 1/4" Exview HAD CCD Sensor	
Effective Pixels	768 (H) x 494 (V)	752 (H) x 582 (V)
Chip Size	4.43mm(H) x 3.69mm(V)	
H / V Sync. Frequency	15.734KHz / 59.94Hz	15.625KHz / 50Hz
Scanning System	2:1 Interlace	
Sync. Mode	Internal	
Day / Night Mode	Day / Night / Auto / Exctrl Selectable	
Resolution	Color : 520 TV Lines , Mono : 580 TV Lines	
Minimum Illumination	Color : 0.1 Lux / F1.6 , Mono : 0.01 Lux / F1.6	
S/N RatioAuto GainControl	More than 50 dB (AGC Off)	
	0dB ~36dB Selectable	
White Balance	ATW / PUSH / MWB Selectable	
Exposure Mode	Manual / Auto / Flickerless Selectable	
Electronic Shutter	1/60S ~ 1/100,000S	1/50S ~ 1/100,000S
Zoom Speed	0 ~ 7 Selectable [7 : Approx. 4.0 Second (Tele to Wide) in Manual Mode]	
Focus Speed	Slow / MID. / Fast Selectable [Fast : Approx. 2.0 Second (Far to Near) in Manual Mode]	
Auto Focus	Auto / One Push Selectable	
Back Light Compensation	On / Off Selectable	
Privacy Masking Zone	On / Off Selectable (Up to 8 Zones Settings)	
Gamma Characteristic	8 Steps Selectable	
Mirror Function	On / Off Selectable	
Negative Image	On / Off Selectable	
Video Output	CVBS 1.0Vp-p / 75Ω BNC	
Communication Control	RS-485 / RS-232 (Manual Switch)	
Character Display	On / Off (Camera ID:16 Alphanumeric Characters , Zoom Ratio)	
External Control	Lens Control (Focus , Zoom , IRIS)	
Power Input Voltage	DC12V ±10%	
Power Consumption	5.0W	
Operating Temperature	-10°C ~ + 50°C (14°F ~122°F)	
Dimension	70mm(W) x 70mm(H) x 120mm(D)	
Weight	600g	

LILIN

CMD 072 / 076 / 172 / 176

WDR Ultrahigh Resolution Color Dome Camera

CMD 172
CMD 176

CMD 072
CMD 076

600TVL	4000:1 WDR	3D DNR	EIS	HSBLC	Digital Zoom	Privacy Zone	Sens-Up
3-X	AWB	Slow shutter	AGC	AC DC			

Features

- Ultrahigh resolution 600 TV Lines
- Wide dynamic range ratio 4000 : 1
- 3D Digital Noise Reduction
- EIS (electronic image stabilization)
- HSBLC (highlight suppress back light compensation)
- 10X Digital zoom
- Up to 8 Privacy masking zones
- Sens-Up –equipped with a maximum X256 sens
- 3-Axis camera construction
- Screw-on design dome cover for easy and secure installation
- OSD Menu Setup

Dimensions Ø120 x 102mm

(Unit:mm)

Bracket
TILT
AZIMUTH
PAN

Dome Camera				
Name	WDR Ultrahigh Resolution Color Dome Camera			
Series Number	CMD 072 / 076 / 172 / 176			
Model	CMD172N/P3.6	CMD176N/P3.6	CMD172N/P6	CMD176N/P6
	CMD072N/P3.6	CMD076N/P3.6	CMD072N/P6	CMD076N/P6
Lens — Focal Length	3.6mm		6mm	
Lens — Iris	F2.0		F1.8	
Lens — Angle of View H	73°		44.5°	
Lens — Angle of View V	54.5°		33.1°	
Lens — Angle of View D	92°		56°	
Power Input Voltage	DC12V±10%	DC12V±10% / AC24V±10%	DC12V±10%	DC12V±10% / AC24V±10%
System	NTSC or PAL			
Pick Up Element	Sony 1/3" Vertical Double-Density Interline CCD Sensor			
Effective Pixels	768(H) x 494(V) [NTSC] / 752(H) x 582(V) [PAL]			
Chip Size	6.00mm(H) x 5.00mm(V)			
Horizontal & Vertical Sync. Frequency	15.734KHz / 59.94Hz [NTSC] 15.625KHz / 50Hz [PAL]			
Scanning System	2 : 1 Interlace			
Menu Control	OSD Control			
Sync. Mode	Internal			
Resolution	600TV Lines			
Minimum Illumination	0.0006Lux / F1.8 (Sens-Up Auto)			
S/N Ratio	More Than 50dB (AGC OFF)			
Auto Gain Control	Low / Middle / High /Off			
White Balance	ATW / AWC/ Manual (Indoor/Outdoor)			
Electronic Shutter	1/60(1/50)S ~ 1/90,000S			
Slow Shutter	2~16Fld / 24Fld / 32Fld / 64Fld / 128Fld / 256Fld / 512Fld			
Sense-Up	Auto (X256 Max.) / Off			
WDR	Low / Middle / High			
Wide Dynamic Range	4000 : 1			
Back Light Compensation	Adjustable			
High Light Suppress BLC	Yes			
3D Digital Noise Reduction	Low / Middle / High / Off			
Digital Zoom	On (X10 Max.) / Off			
Digital Pan/Tilt	Horizontal / Vertical Direction Can be Operated (According to the Zoom Magnification)			
Sharpness	Adjustable			
Digital Effect	V-Flip / Mirror / Rotate / Off			
Privacy Masking	On / Off			
Privacy Masking Zone	8 Zones			
Electronic Image Stabilizer	On / Off			
Video Output	CVBS1.0Vp-p , 75Ohm			
Gamma Characteristic	γ= 0.45			
Power Consumption	2.2W	3.0W (DC12V) / 2.5W (AC24V)	2.2W	3.0W (DC12V) / 2.5W (AC24V)
Operating Temperature	-10°C ~ +50°C (14°F ~ 122°F)			
Dimension	Φ120 x 102mm			
Weight	290g	310g	290g	310g

LILIN

CMD 072X / 076X / 172X / 176X

D/N WDR Ultrahigh Resolution Vari-Focal Dome Camera

CMD 172X
CMD 176X

CMD 072X
CMD 076X

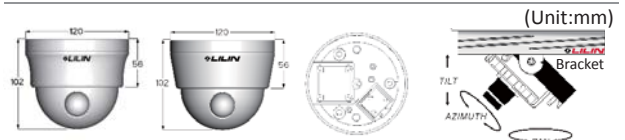| 600TVL	4000:1 WDR	V/F Lens	3D NDR	EIS	HSBLC	OSD	Digital Zoom
Privacy Zone	Sens-Up	3-X	D&N	Slow shutter	AGC	AWB	AC DC

Features

- Ultrahigh resolution 600 TV Lines
- Wide dynamic range ratio 4000 : 1
- 3D Digital Noise Reduction
- EIS (electronic image stabilization)
- HSBLC (highlight suppress back light compensation)
- OSD Menu Setup
- 10X Digital zoom
- Up to 8 Privacy masking zones
- Sens-Up –equipped with a maximum X256 sens
- 3-Axis camera construction
- Screw-on design dome cover for easy and secure installation
- Day and night applications for 24Hr surveillance
- Support 4~9 mm Lens (Option)

Dimensions Ø120 x 102mm

(Unit:mm)

Bracket
TILT
AZIMUTH
PAN

Dome Camera		
Name	D/N WDR Ultrahigh Resolution Vari-Focal Dome Camera	
Series Number	CMD 072X / 076X / 172X / 176X	
Model	CMD172X4.2N/P	CMD176X4.2N/P
	CMD072X4.2N/P	CMD076X4.2N/P
Lens — Focal Length	2.8 ~ 12mm	
Lens — Iris	F1.2	
Lens — Angle of View H	99.6° ~ 24.9°	
Lens — Angle of View V	73.2° ~ 18.8°	
Lens — Angle of View D	128.5° ~ 31.0°	
Power Input Voltage	DC12V±10%	DC12V±10% / AC24V±10%
System	NTSC or PAL	
Pick Up Element	1/3" Vertical Double-Density Interline CCD Sensor	
Effective Pixels	768(H) x 494(V) [NTSC] / 752(H) x 582(V) [PAL]	
Chip Size	6.00mm(H) x 5.00mm(V)	
Horizontal & Vertical Sync. Frequency	15.734KHz / 59.94Hz [NTSC] / 15.625KHz / 50Hz [PAL]	
Scanning System	2 : 1 Interlace	
Menu Control	OSD Control	
Sync. Mode	Internal	
IR Cut Filter	Auto / Day / Night	
Resolution	Color : 600TV Lines , Mono : 700TV Lines	
Minimum Illumination	Color : 0.0002Lux / F1.2 (Sense-Up Auto) / Mono : 0.0001Lux / F1.2 (Sens-Up Auto)	
S/N Ratio	More Than 50dB (AGC OFF)	
Auto Gain Control	Low / Middle / High /Off	
White Balance	ATW / AWC/ Manual (Indoor/Outdoor)	
Exposure	ALC / ELC	
Electronic Shutter	1/60(1/50)S ~ 1/90,000S	
Slow Shutter	2~16Fld / 24Fld / 32Fld / 64Fld / 128Fld / 256Fld / 512Fld	
Sense-Up	Auto (X256 Max.) / Off	
WDR	Adjustable	
Wide Dynamic Range	4000 : 1	
Back Light Compensation	Adjustable	
High Light Suppress BLC	Yes	
3D Digital Noise Reduction	Low / Middle / High / Off	
Digital Zoom	On (X10 Max.) / Off	
Digital Pan/Tilt	Horizontal / Vertical Direction Can be Operated (According to the Zoom Magnification)	
Sharpness	Adjustable	
Digital Effect	V-Flip / Mirror / Rotate / Off	
Privacy Masking	On / Off	
Privacy Masking Zone	8 Zones	
Electronic Image Stabilizer	On / Off	
Video Output	CVBS1.0Vp-p , 75Ohm	
Gamma Characteristic	γ= 0.45	
Power Consumption	2.8W	3.0W (DC12V) / 2.5W (AC24V)
Operating Temperature	-10°C ~ +50°C (14°F ~ 122°F)	
Dimension	Φ120 x 102mm	
Weight	310g	330g

LILIN

CMD 052 / 056 / 152 / 156

Superhigh Resolution Color Dome Camera

CMD 152
CMD 156

CMD 052
CMD 056

540TVL | 3-X | AWB | AGC | AC DC | BLC

Features

▪ Superhigh resolution 540 TV Lines
▪ Optically perfect impact and dust resistant polycarbonate dome cover
▪ 3-Axis camera construction
▪ Screw-on design dome cover for easy and secure installation
▪ RCA video connector for easy adjustment on site

Dimensions Ø120 x 102mm

(Unit:mm)

Bracket

Dome Camera				
Name	Superhigh Resolution Color Dome Camera			
Series Number	CMD 052 / 056 / 152 / 156			
Model	CMD152N/P3.6	CMD156N/P3.6	CMD152N/P6	CMD156N/P6
	CMD052N/P3.6	CMD056N/P3.6	CMD052N/P6	CMD056N/P6
Lens — Focal Length	3.6mm		6mm	
Lens — Iris	F2.0		F1.8	
Lens — Angle of View	73°		44.5°	
	54.5°		33.1°	
	92°		56°	
Power Input Voltage	DC12V±10%	DC12V±10% / AC24V±10%	DC12V±10%	DC12V±10% / AC24V±10%
System	NTSC or PAL			
Sync. Mode	Internal			
Pick Up Element	1/3" Super HAD CCD Sensor			
Effective Pixels	768(H) x 494(V) [NTSC] / 752(H) x 582(V) [PAL]			
Chip Size	5.59mm(H) x 4.68mm(V)			
Horizontal & Vertical Sync. Frequency	15.734KHz / 59.94Hz [NTSC] / 15.625KHz / 50Hz [PAL]			
Scanning System	2 : 1 Interlace			
Resolution	540TV Lines			
Minimum Illumination	0.5Lux / F1.8			
S/N Ratio	More Than 50dB (AGC OFF)			
Auto Gain Control	36dB Variable Gain			
White Balance	ATW			
Aperture Correction	Horizontal , Vertical			
Power Consumption	2.2W	3.0W (DC12V) / 2.5W (AC24V)	2.2W	3.0W (DC12V) / 2.5W (AC24V)
Electronic Shutter	1/60(1/50)S ~ 1/100,000S (Auto)			
Back Light Compensation	Auto			
Video Output	CVBS1.0Vp-p , 75Ohm			
Operating Temperature	-10°C ~ +50°C (14°F ~ 122°F)			
Gamma Characteristic	γ= 0.45			
Dimension	Φ120 x 102mm			
Weight	290g	310g	290g	310g

LILIN

CMD 052X / 056X / 152X / 156X

Superhigh Resolution Vari-Focal Dome Camera

CMD 152X
CMD 156X

CMD 052X
CMD 056X

540TVL	V/F Lens	3-X	AWB	AGC	AC DC	BLC

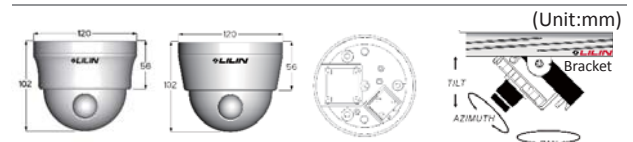## Features

- Superhigh resolution 540 TV Lines
- Optically perfect impact and dust resistant polycarbonate dome cover
- 3-Axis camera construction
- Screw-on design dome cover for easy and secure installation
- RCA video connector for easy adjustment on site
- 4~9 mm Lens (Option)

Dimensions Ø120 x 102mm

(Unit:mm)

Bracket

Dome Camera		
Name	Superhigh Resolution Vari-Focal Dome Camera	
Series Number	CMD 052X / 056X / 152X / 156X	
Model	CMD152X4.2N/P	CMD156X4.2N/P
	CMD052X4.2N/P	CMD056X4.2N/P
Lens / Focal Length	2.8 ~ 12mm	
Iris	F1.2	
Angle of View	99.6° ~ 24.9°	
	73.2° ~ 18.8°	
	128.5° ~ 31.0°	
Power Input Voltage	DC12V±10%	DC12V±10% / AC24V±10%
System	NTSC or PAL	
Sync. Mode	Internal	
Pick Up Element	1/3" Super HAD CCD Sensor	
Effective Pixels	768(H) x 494(V) [NTSC] / 752(H) x 582(V) [PAL]	
Chip Size	5.59mm(H) x 4.68mm(V)	
Horizontal & Vertical Sync. Frequency	15.734KHz / 59.94Hz [NTSC] / 15.625KHz / 50Hz [PAL]	
Scanning System	2 : 1 Interlace	
Resolution	540TV Lines	
Minimum Illumination	0.03Lux / F1.2	
S/N Ratio	More Than 50dB (AGC OFF)	
Auto Gain Control	36dB Variable Gain	
White Balance	ATW	
Aperture Correction	Horizontal , Vertical	
Power Consumption	2.2W	3.0W (DC12V) / 2.5W (AC24V)
Back Light Compensation	Auto	
Video Output	CVBS1.0Vp-p , 75Ohm	
Operating Temperature	-10°C ~ +50°C (14°F ~ 122°F)	
Gamma Characteristic	γ= 0.45	
Dimension	Φ120 x 102mm	
Weight	310g	330g

LILIN

PIH 202 / 204 / 212 / 214

Dual Voltage Color Dome Camera
Dual Voltage Varifocal Color Dome Camera

PIH 202
PIH 204

PIH 212
PIH 214

| 540TVL | AC DC | V/F Lens | 3-X | AWB | AGC | BLC |

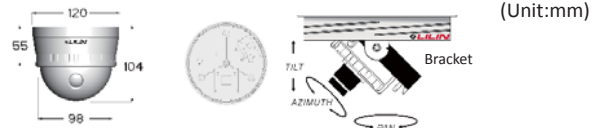## Features

- RCA Video Connector for Easy Adjustment on Site
- 3-Axis Camera Construction
- Optically Perfect Impact and Dust Resistant Polycarbonate Dome Cover
- Special Circuit to Avoid Color Rolling
- Screw-on Design Dome Cover
- AC 24V/ DC 12V Dual Voltage Input
- Support 4~9 mm Lens option (PIH-212/214)

Dimensions Dome: Φ98,Base & Fix Ring:Φ120 x55mm

(Unit:mm)

Bracket

Dome Camera					
Name		Dual Voltage Color Dome Camera		Dual Voltage Varifocal Color Dome Camera	
Series Number		**PIH-202/204**		**PIH-212/214**	
Type		Standard Resolution	Super High Resolution	Standard Resolution	Super High Resolution
Model	NTSC	PIH-2026N6 / PIH-2026N3.6	PIH-2046N6 / PIH-2046N3.6	PIH-2126XN	PIH-2146XN
	PAL	PIH-2026P6 / PIH-2026P3.6	PIH-2046P6 / PIH-2046P3.6	PIH-2126XP	PIH-2146XP
Lens	Focal Length	6.0 mm / 3.6 mm	6.0 mm / 3.6 mm	2.8 ~ 12mm	
	Iris	F1.8 / F2.0	F1.8 / F2.0	F1.2	
	Angle of View H	44.5° / 73°	44.5° / 73°	99.6° ~ 24.9°	
	V	33.1° / 54.5°	33.1° / 54.5°	73.2° ~ 18.8°	
	D	56° / 92°	56° / 92°	128.5° ~ 31.0°	
Power Supply		DC12V ±10% or AC24V±10%			
Image Pick-up Device		Sony 1/3" Super HAD CCD Sensor			
Effective Pixels	NTSC	510 (H) x 492 (V)	768 (H) x 494 (V)	510 (H) x 492 (V)	768 (H) x 494 (V)
	PAL	500 (H) x 582 (V)	752 (H) x 582 (V)	500 (H) x 582 (V)	752 (H) x 582 (V)
Chip Size		5.59mm(H) x 4.68mm(V)			
H/V Sync. Frequency	NTSC	15.734KHz / 59.94Hz			
	PAL	15.625KHz / 50Hz			
Scanning System		2:1 Interlace			
Sync. Mode		Internal			
Resolution		380TV Lines	540TV Lines	380TV Lines	540TV Lines
Minimum Illumination		0.2 Lux / F1.8	0.5 Lux / F1.8	0.01 Lux / F1.2	0.03 Lux / F1.2
S/N Ratio		More than 50dB (AGC Off)			
Auto Gain Control		36dB Variable Gain			
White Balance		ATW			
Aperture Gain Correction		Horizontal , Vertical			
Electronic Shutter		1/60 (1/50) S ~ 1/100,000S (Auto)		-	
Back Light Compensation		Auto			
Video Output		CVBS 1.0Vp-p / 75Ω BNC			
Gamma Characteristic		γ=0.45			
Power Consumption		2.5W (DV12V) , 2.0W (AC24V)		3.0W (DC12V) , 2.5W (AC24V)	
Operating Temperature		-10°C ~ + 50°C (14°F ~122°F)			
Dimension		Dome: Φ98,Base & Fix Ring:Φ120 x55 mm			
Weight		300g			

LILIN

PIH 2222 / 2242 / 2226 / 2246
PIH 232X / 234X / 2342X / 2346X

Color Dome Camera
Vandal Resistant Varifocal Camera

Dual Voltage Varifocal Color Dome Camera
Vandal Resistant Varifocal Day & Night Camera

PIH 2222
PIH 2242

PIH 2342X
PIH 2346X

Features

- Weather & Impact Resistant Design
- Tamper-Proof Screws
- 3-Axis Camera Construction
- Special Circuit to Avoid Color Rolling
- Polycarbonate Dome Cover & Aluminum Die-Cast Housing
- RCA Video Connector for Easy Adjustment on Site
- Built-in Infrared Cut Filter (PIH-2342X/2346X)
- Support 4~9 mm Lens option (PIH-232X/234X/2342X/2346X)

Dimensions   Dome: Φ91.8, Base & Fix Ring:Φ136 x55mm

(Unit:mm)

Bracket

Icons: 540TVL | AC/DC | V/F Lens | 3-X | AWB | AGC | BLC | IP Rated | Vandal Proof
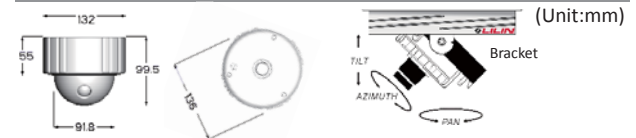
Weatherproof Dome Camera

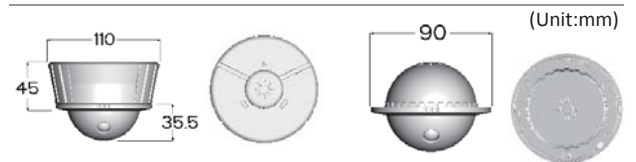| Name		Color Dome Camera				Dual Voltage Varifocal Color Dome Camera				Vandal Resistant Varifocal Camera				Vandal Resistant Varifocal Day & Night Camera			
Series Number		PIH-2222/2242				PIH-2226/2246				PIH-232X/234X				PIH-2342X/2346X			
Type		Standard Resolution		Super High Resolution		Standard Resolution		Super High Resolution		Standard Resolution		Super High Resolution		Super High Resolution			
Model	NTSC	PIH-2222N6	PIH-2222N3.6	PIH-2242N6	PIH-2242N3.6	PIH-2226N6	PIH-2226N3.6	PIH-2246N6	PIH-2246N3.6	PIH-2322XN	PIH-2326XN	PIH-2342XN	PIH-2346XN	PIH-2342XWN	PIH-2342XSN	PIH-2346XWN	PIH-2346XSN
	PAL	PIH-2222P6	PIH-2222P3.6	PIH-2242P6	PIH-2242P3.6	PIH-2226P6	PIH-2226P3.6	PIH-2246P6	PIH-2246P3.6	PIH-2322XP	PIH-2326XP	PIH-2342XP	PIH-2346XP	PIH-2342XWP	PIH-2342XSP	PIH-2346XWP	PIH-2346XSP
Lens	Focal Length	6.0 mm	3.6 mm	6.0 mm	3.6 mm	6.0 mm	3.6 mm	6.0 mm	3.6 mm	2.8~12mm				2.8~12mm	9~22 mm	2.8~12mm	9~22 mm
	Iris	F1.8	F2.0	F1.8	F2.0	F1.8	F2.0	F1.8	F2.0	F1.2				F.12	F1.4	F.12	F1.4
	Angle of View - H	44.5°	73°	44.5°	73°	44.5°	73°	44.5°	73°	99.6° ~ 24.9°				99.6° ~ 24.9°	32.1°~ 13.1°	99.6° ~ 24.9°	32.1°~ 13.1°
	Angle of View - V	33.1°	54.5°	33.1°	54.5°	33.1°	54.5°	33.1°	54.5°	73.2° ~ 18.8°				73.2° ~ 18.8°	23.3°~ 9.8°	73.2° ~ 18.8°	23.3°~ 9.8°
	Angle of View - D	56°	92°	56°	92°	56°	92°	56°	92°	128.5° ~ 31.0°				128.5° ~ 31.0°	41.9°~ 16.3°	128.5° ~ 31.0°	41.9°~ 16.3°
Power Supply		DC12V±10%				AC24V or DC12V±10%				DC12V±10%	AC24V/ DC12V±10%	DC12V±10%	AC24V/ DC12V±10%	DC12V±10%		AC 24V / DC12V±10%	
Image Pick-up Device		Sony 1/3" Super HAD CCD Sensor															
Effective Pixels NTSC		510 (H) x 492 (V)		768 (H) x 494 (V)		510 (H) x 492 (V)		768 (H) x 494 (V)		510 (H) x 492 (V)		768 (H) x 494 (V)		510 (H) x 492 (V)		768 (H) x 494 (V)	
Effective Pixels PAL		500 (H) x 582 (V)		752 (H) x 582 (V)		500 (H) x 582 (V)		752 (H) x 582 (V)		500 (H) x 582 (V)		752 (H) x 582 (V)		500 (H) x 582 (V)		752 (H) x 582 (V)	
Chip Size		5.59mm(H) x 4.68mm(V)															
H/V Sync. Frequency NTSC		15.734KHz / 59.94Hz															
H/V Sync. Frequency PAL		15.625KHz / 50Hz															
Scanning System		2:1 Interlace															
Sync. Mode		Internal															
Infrared Cut Filter		-												Auto Selectable / Automatic Switch from Color Mode to Monochrome			
Resolution		380TV Lines		540TV Lines		380TV Lines		540TV Lines		380TV Lines		540TV Lines		540TV Lines			
Minimum Illumination		0.2 Lux / F1.8		0.5 Lux / F1.8		0.2 Lux / F1.8		0.5 Lux / F1.8		0.01 Lux / F1.2		0.03 Lux / F1.2		Color : 0.03 Lux at F1.2 Mono : 0.007 Lux at F1.2	Color : 0.07 Lux at F1.6 Mono : 0.015 Lux at F1.6	Color : 0.03 Lux at F1.2 Mono : 0.007 Lux at F1.2	Color : 0.07 Lux at F1.6 Mono : 0.015 Lux at F1.6
S/N Ratio		More than 50dB (AGC Off)															
Auto Gain Control		36dB Variable Gain															
White Balance		ATW															
Aperture Gain Correction		Horizontal , Vertical															
Electronic Shutter		1/60(1/50)S ~ 1/100,000S (Auto)								-							
Back Light Compensation		Auto															
Video Output		CVBS 1.0Vp-p / 75Ω BNC															
Gamma Characteristic		γ=0.45															
Power Consumption		2.2 W				2.5W (DV12V) , 2.0W (AC24V)				2.2W		3W (DV12V), 2.5W (AC24V)		2.2W	3W(DV12V), 2.5W (AC24V)	2.2W (DC12V)	3.0W (DV12V) , 2.5W (AC24V)
Vandal Proof		Withstand a blow from a 10lbs Sledgehammer															
IP Rating		IP 68															
Operating Temperature		-10°C ~ + 50°C (14°F ~122°F)															
Dimension		Dome: Φ91.8, Base&Fix Ring:Φ136 x 55 mm															
Weight		1200g															

LILIN

PIH 242 / 244

Mini Dome Camera

Features

- Provide Both Attached & Embedded Installation Kits
- Easy Lens Angle Adjustment
- Heat Resistant Plastic Housing
- Special Circuit to Avoid Color Rolling
- High Sensitivity Sensor, Excellent Picture Quality

540TVL | AWB | AGC | BLC

Dimensions Dome: Φ62.2,Base & Fix Ring: Φ110x45mm

(Unit:mm)

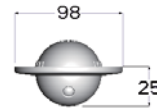| Dome Camera				
Name		Mini Dome Camera		
Series Number		PIH-242/244		
Type		Standard Resolution		Super High Resolution
Model	NTSC	PIH-2422N6	PIH-2422N3.6	PIH-2442N6	PIH-2442N3.6
	PAL	PIH-2422P6	PIH-2422P3.6	PIH-2442P6	PIH-2442P3.6
Lens	Focal Length	6.0 mm	3.6 mm	6.0 mm	3.6 mm
	Iris	F1.8	F2.0	F1.8	F2.0
	Angle of View — H	44.5°	73°	44.5°	73°
	V	33.1°	54.5°	33.1°	54.5°
	D	56°	92°	56°	92°
Power Supply		DC12V±10%			
Image Pick-up Device		Sony 1/3" Super HAD CCD Sensor			
Effective Pixels	NTSC	510 (H) x 492 (V)		768 (H) x 494 (V)	
	PAL	500 (H) x 582 (V)		752 (H) x 582 (V)	
Chip size		5.59mm(H) x 4.68mm(V)			
H/V Sync. Frequency	NTSC	15.734KHz / 59.94Hz			
	PAL	15.625KHz / 50Hz			
Scanning System		2:1 Interlace			
Sync. Mode		Internal			
Resolution		380TV Lines		540TV Lines	
Min. Illumination		0.2 Lux / F1.8		0.5 Lux / F1.8	
S/N Ratio		More than 50dB (AGC Off)			
Auto Gain Control		36dB Variable Gain			
White Balance		ATW			
Aperture Gain Correction		Horizontal , Vertical			
Electronic Shutter		1/60 (1/50) S ~ 1/100,000S (Auto)			
Back Light Compensation		Auto			
Video Output		CVBS 1.0Vp-p / 75Ω BNC			
Gamma Characteristic		γ=0.45			
Power Consumption		2.2W			
Operating Temperature		-10°C ~ + 50°C (14°F ~122°F)			
Dimension		Dome:Φ62.2,Base & Fix Ring :Φ110 x45 mm			
Weight		300g			

LILIN

PIH 252 / 254

Metal Mini Dome Camera

Features

▪ Attractive Silver-Toned Finish
▪ Sturdy Metal Housing for Maximum Camera Protection
▪ Easy Lens Angle Adjustment
▪ Special Circuit to Avoid Color Rolling

540TVL	AWB	AGC	BLC

Dimensions Dome:Φ62.5, Holder:Φ98mm

(Unit:mm)

98

25

Dome Camera				
Name		**Metal Mini Dome Camera**			
Series Number		**PIH-252/254**			
Type		Standard Resolution		Super High Resolution	
Model	NTSC	PIH-2522N6	PIH-2522N3.6	PIH-2542N6	PIH-2542N3.6
	PAL	PIH-2522P6	PIH-2522P3.6	PIH-2542P6	PIH-2542P3.6
Lens	Focal Length	6.0 mm	3.6 mm	6.0 mm	3.6 mm
	Iris	F1.8	F2.0	F1.8	F2.0
	Angle of View H	44.5°	73°	44.5°	73°
	V	33.1°	54.5°	33.1°	54.5°
	D	56°	92°	56°	92°
Power Supply		DC12V±10%			
Image Pick-up Device		Sony 1/3" Super HAD CCD Sensor			
Effective Pixels	NTSC	510 (H) x 492 (V)		768 (H) x 494 (V)	
	PAL	500 (H) x 582 (V)		752 (H) x 582 (V)	
Chip size		5.59mm(H) x 4.68mm(V)			
H/V Sync. Frequency	NTSC	15.734KHz / 59.94Hz			
	PAL	15.625KHz / 50Hz			
Scanning System		2:1 Interlace			
Sync. Mode		Internal			
Resolution		380TV Lines		540TV Lines	
Min. Illumination		0.2 Lux / F1.8		0.5 Lux / F1.8	
S/N Ratio		More than 50dB (AGC Off)			
Auto Gain Control		36dB Variable Gain			
White Balance		ATW			
Aperture Gain Correction		Horizontal , Vertical			
Electronic Shutter		1/60 (1/50) S ~ 1/100,000S (Auto)			
Back Light Compensation		Auto			
Video Output		CVBS 1.0Vp-p / 75Ω BNC			
Gamma Characteristic		γ=0.45			
Power Consumption		2.2W			
Operating Temperature		-10°C ~ + 50°C (14°F ~122°F)			
Dimension		Dome:Φ62.5, Holder:Φ98			
Weight		230g			

PIH 262 / 264 / 262X / 264X

Color Dome Camera
Varifocal Dome Camera

PIH 262
PIH 264

PIH 262X
PIH 264X

| 540TVL | AWB | AGC | BLC | V/F Lens | 3-X |

Features

- Special Circuit to Avoid Color Rolling
- 3-Axis Camera Construction
- Optically Perfect Impact and Dust Resistant Polycarbonate Dome Cover
- Screw-on Design Dome Cover for Easy and Secure Installation
- RCA Video Connector for Easy Adjustment on Site
- 4~9 mm Lens option (PIH-262X/264X)

Dimensions Dome:Φ98, Base & Fix Ring :Φ112 x40.5mm

(Unit:mm)

112
40.5
87.85
Bracket
TILT
AZIMUTH
PAN

| Dome Camera					
Name		Color Dome Camera			Varifocal Dome Camera	
Series Number		PIH-262/264			PIH-262X/264X	
Type		Standard Resolution		Super High Resolution		Standard Resolution	Super High Resolution
Model	NTSC	PIH-2622N6	PIH-2622N3.6	PIH-2642N6	PIH-2642N3.6	PIH-2622XN	PIH-2642XN
	PAL	PIH-2622P6	PIH-2622P3.6	PIH-2642P6	PIH-2642P3.6	PIH-2622XP	PIH-2642XP
Lens	Focal Length	6.0 mm	3.6 mm	6.0 mm	3.6 mm	2.8 ~ 12mm	
	Iris	F1.8	F2.0	F1.8	F2.0	F1.2	
	Angle of View H	44.5°	73°	44.5°	73°	99.6° ~ 24.9°	
	V	33.1°	54.5°	33.1°	54.5°	73.2° ~ 18.8°	
	D	56°	92°	56°	92°	128.5° ~ 31.0°	
Power Supply		DC12V±10%				
Image Pick-up Device		Sony 1/3" Super HAD CCD Sensor				
Effective Pixels	NTSC	510 (H) x 492 (V)		768 (H) x 494 (V)		510 (H) x 492 (V)	768 (H) x 494 (V)
	PAL	500 (H) x 582 (V)		752 (H) x 582 (V)		500 (H) x 582 (V)	752 (H) x 582 (V)
Chip Size		5.59mm(H) x 4.68mm(V)				
H/V Sync. Frequency	NTSC	15.734KHz / 59.94Hz				
	PAL	15.625KHz / 50Hz				
Scanning System		2:1 Interlace				
Sync. Mode		Internal				
Resolution		380TV Lines		540TV Lines		380TV Lines	540TV Lines
Minimum Illumination		0.2 Lux / F1.8		0.5 Lux / F1.8		0.01 Lux / F1.2	0.03 Lux / F1.2
S/N Ratio		More than 50dB (AGC Off)				
Auto Gain Control		36dB Variable Gain				
White Balance		ATW				
Aperture Gain Correction		Horizontal , Vertical				
Electronic Shutter		1/60 (1/50) S ~ 1/100,000S (Auto)				-
Back Light Compensation		Auto				
Video Output		CVBS 1.0Vp-p / 75Ω BNC				
Gamma Characteristic		γ=0.45				
Power Consumption		2.2W				
Operating Temperature		-10°C ~ + 50°C (14°F ~122°F)				
Dimension		Dome:Φ98, Base & Fix Ring :Φ112 x40.5 mm				
Weight		250g				270g

LILIN

PIH 0012 / 0042

18M IR Camera
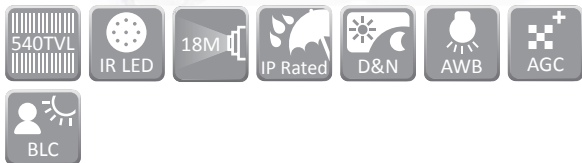
Features

- Adopt "Special Optical Low Pass Filter"
- High Efficiency IR LED: Radiant Distance 18M
- Automatically Activates LED: Below 10 Lux
- Aluminum Housing with IP 68 Rating
- Unique Front Glass Design Separates Lens from IR LEDs
- High Sensitivity Sensor, Excellent Picture Quality
- Optional 3.6, 4.3, & 6.0mm Lens

540TVL	IR LED	18M	IP Rated	D&N	AWB	AGC

BLC

Dimensions 78mm (W) x 66.5mm (H) x 107mm (D)
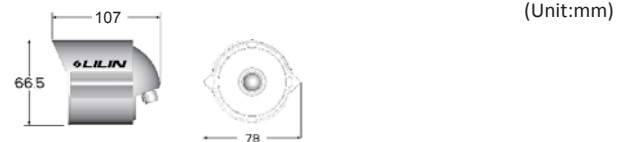
(Unit:mm)

Weatherproof IR Camera							
Name		18M IR Camera					
Series Number		PIH-0012 / 0042					
Type		Standard Resolution			Super High Resolution		
Model	NTSC	PIH-0012N6	PIH-0012N4.3	PIH-0012N3.6	PIH-0042N6	PIH-0042N4.3	PIH-0042N3.6
	PAL	PIH-0012P6	PIH-0012P4.3	PIH-0012P3.6	PIH-0042P6	PIH-0042P4.3	PIH-0042P3.6
Lens	Focal Length	6.0 mm	4.3 mm	3.6 mm	6.0 mm	4.3 mm	3.6 mm
	Iris	F1.8	F2.0		F1.8	F2.0	
	Angle of View — H	44.5°	62.4°	73°	44.5°	62.4°	73°
	Angle of View — V	33.1°	46.8°	54.5°	33.1°	46.8°	54.5°
	Angle of View — D	56°	78°	92°	56°	78°	92°
Power Supply		DC12V±10%					
Image Pick-up Device		Sony 1/3" Super HAD CCD Sensor					
Effective Pixels	NTSC	510 (H) x 492 (V)			768 (H) x 494 (V)		
	PAL	500 (H) x 582 (V)			752 (H) x 582 (V)		
Chip Size		5.59mm(H) x 4.68mm(V)					
H/V Sync. Frequency	NTSC	15.734KHz / 59.94Hz					
	PAL	15.625KHz / 50Hz					
Scanning System		2:1 Interlace					
Sync. Mode		Internal					
Resolution		380TV Lines			540TV Lines		
Minimum Illumination		0.2 Lux / F1.8 (0 Lux with IR On)			0.5 Lux / F1.8 (0 Lux with IR On)		
S/N Ratio		More than 50dB (AGC Off)					
Auto Gain Control		36dB Variable Gain					
White Balance		ATW					
Aperture Gain Correction		Horizontal , Vertical					
Electronic Shutter		1/60S(1/50)S~ 1/100,000S (Auto)					
Back Light Compensation		Auto					
Video Output		CVBS 1.0Vp-p/75Ω BNC					
Gamma Characteristic		γ=0.45					
Power Consumption		4.8W					
Window		Φ59 Heat Resistant Glass					
Infrared LED	Peak Wavelength	850nm					
	Radiant Distance	18M					
	Beam Spread	30°					
IP Rating		IP 68					
Operating Temperature		-10°C ~ + 50°C(14°F ~122°F)					
Dimension		78mm (W) x 66.5mm (H) x 107mm (D)					
Weight		330g					

Design and specifications are subject to change without notice.

PIH 012 / 014

Ultrahigh Sensitivity 40M IR Camera

540TVL | **IR LED** | **40M f=16mm** | **IP Rated** | **D&N** | **AWB** | **AGC** | **BLC**

## Features

- High Efficiency Jack IR LED with 0.25W Output Power : Radiant Distance 40M
- Indoor / Outdoor applications
- Adopts "Special Optical Low Pass Filter"
- Aluminum PCB for fast heat dissipation
- Automatically activates LED, when light drops below 10 Lux
- Aluminum housing with IP66 rating
- Unique Front Glass Design Separates Lens from IR LEDs
- Choice of 6, 8, 12 and 16mm lenses
- Optional Heater: On < 15°C(59°F) / Off >25°C(77°F)
- Operating Temp: -30°C ~+ 50°C(-22°F~+122°F)

Dimensions Φ100 x 235 mm
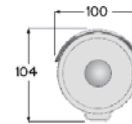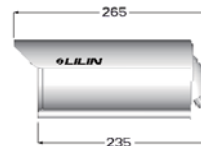
(Unit:mm)

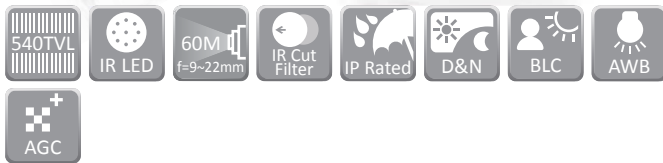| Weatherproof IR Camera													
Name		Ultrahigh Sensitivity 40M IR Camera											
Series Number		PIH- 012/014											
Type		Standard Resolution						Super High Resolution					
Model	NTSC	PIH-0124N6	PIH-0128N6	PIH-0124N8	PIH-0128N8	PIH-0128N12	PIH-0128N16	PIH-0144N6	PIH-0148N6	PIH-0144N8	PIH-0148N8	PIH-0148N12	PIH-0148N16
	PAL	PIH-0124P6	PIH-0128P6	PIH-0124P8	PIH-0128P8	PIH-0128P12	PIH-0128P16	PIH-0144P6	PIH-0148P6	PIH-0144P8	PIH-0148P8	PIH-0148P12	PIH-0148P16
Lens	Focal Length	6.0 mm		8.0 mm		12.0 mm	16.0 mm	6.0 mm		8.0 mm		12.0 mm	16.0 mm
	Iris	F1.8		F2.0		F2.0	F2.0	F1.8		F2.0		F2.0	F2.0
	Angle of View H	44.5°		32°		22.4°	16°	44.5°		32°		22.4°	16°
	Angle of View V	33.1°		24°		16.8°	12°	33.1°		24°		16.8°	12°
	Angle of View D	56°		40°		28°	20°	56°		40°		28°	20°
Power Supply		AC24V±10%	AC 90V~260V	AC24V±10%	AC 90V ~260V max.			AC24V±10%	AC 90V~260V	AC24V±10%	AC 90V ~260V max.		
Image Pick-up Device		Sony 1/3" Super HAD CCD Sensor											
Effective Pixels	NTSC	510 (H) x 492 (V)						768 (H) x 494 (V)					
	PAL	500 (H) x 582 (V)						752 (H) x 582 (V)					
Chip Size		5.59mm(H) x 4.68mm(V)											
H/V Sync. Frequency	NTSC	15.734KHz / 59.94Hz											
	PAL	15.625KHz / 50Hz											
Scanning System		2:1 Interlace											
Sync. Mode		Internal											
Resolution		380TV Lines						540TV Lines					
Minimum Illumination		0.01 Lux / F1.8(0 Lux With IR On)						0.05 Lux / F1.8(0 Lux With IR On)					
S/N Ratio		More than 50dB (AGC Off)											
Auto Gain Control		36dB Variable Gain											
White Balance		ATW											
Aperture Gain Correction		Horizontal , Vertical											
Electronic Shutter		1/60(1/50)S ~ 1/100,000S (Auto)											
Back Light Compensation		Auto											
Video Output		CVBS 1.0Vp-p/75Ω BNC											
Gamma Characteristic		γ=0.45											
Power Consumption		10W											
Window		Φ88 Heat Resistant Glass											
Infrared LED	Peak Wavelength	850nm											
	Radiant Distance	25M		30M		35M	40M	25M		30M		35M	40M
	Beam Spread	20°											
IP Rating		IP 66											
Operating Temperature		-10°C ~ + 50°C (14°F ~122°F)											
Dimension		Φ100 x 235 mm											
Weight		1500g											

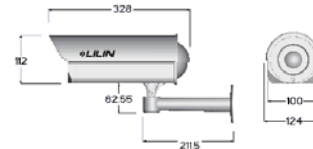LILIN

PIH 036X / 038X

Varifocal IR Camera

Features

- Radiant Distance Up to 60M
- Cable Managed Housing and Bracket
- High Sensitivity CCD Sensor
- High Quality ED Glass Lenses
- Perfect Solution for Day / Night Applications
- IP66 Weather Rating
- Automatically Activates LED: Below 10 Lux
- Choice of Resolutions and Lenses
- High Quality Optical Glass Construction
- Unique Front Glass Design Separates Lens from IR LEDs

540TVL | **IR LED** f=9~22mm | **60M** | **IR Cut Filter** | **IP Rated** | **D&N** | **BLC** | **AWB** | **AGC**

Dimensions Body: 120mm(W) x 112mm(H) x 328mm(D)

Bracket:211.5mm (L)

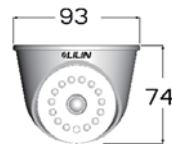| Weatherproof IR Camera									
Name		Varifocal IR Camera							
Series Number		PIH-036X/038X							
Type		Standard Resolution				Super High Resolution			
Model	NTSC	PIH-0364XWN	PIH-0364XSN	PIH-0368XWN	PIH-0368XSN	PIH-0384XWN	PIH-0384XSN	PIH-0388XWN	PIH-0388XSN
	PAL	PIH-0364XWP	PIH-0364XSP	PIH-0368XWP	PIH-0368XSP	PIH-0384XWP	PIH-0384XSP	PIH-0388XWP	PIH-0388XSP
Lens	Focal Length	3.3~12 mm	9~22 mm	3.3~12 mm	9~22 mm	3.3~12 mm	9~22 mm	3.3~12 mm	9~22 mm
	Iris	F1.4							
	Angle of View — H	89.8°~ 23.9°	32.1°~ 13.1°	89.8°~ 23.9°	32.1°~ 13.1°	89.8°~ 23.9°	32.1°~ 13.1°	89.8°~ 23.9°	32.1°~ 13.1°
	V	63.6°~ 17.9°	23.3°~ 9.8°	63.6°~ 17.9°	23.3°~ 9.8°	63.6°~ 17.9°	23.3°~ 9.8°	63.6°~ 17.9°	23.3°~ 9.8°
	D	125.7°~ 29.9°	41.9°~ 16.3°	125.7°~ 29.9°	41.9°~ 16.3°	125.7°~ 29.9°	41.9°~ 16.3°	125.7°~ 29.9°	41.9°~ 16.3°
Power Supply		AC24V±10%		AC 90V ~ 260V max.		AC24V±10%		AC 90V ~ 260V max.	
Image Pick-up Device		Sony 1/3" Exview HAD CCD Sensor				Sony 1/3" Super HAD CCD Sensor			
Effective Pixels	NTSC	510 (H) x 492 (V)				768 (H) x 494 (V)			
	PAL	500 (H) x 582 (V)				752 (H) x 582 (V)			
Chip Size		6.00mm(H) x 4.96mm(V)				5.59mm(H) x 4.68mm(V)			
H/V Sync. Frequency	NTSC	15.734KHz / 59.94Hz							
	PAL	15.625KHz / 50Hz							
Scanning System		2:1 Interlace							
Sync. Mode		Internal							
Infrared Cut Filter		Auto Selectable / Automatic Switch from Color Mode to Monochrome							
Resolution		380TV Lines				540TV Lines			
Minimum Illumination		Color: 0.02 Lux(F1.4) , 0 Lux With IR On Mono: 0.005 Lux (F1.4)				Color: 0.05 Lux(F1.4) , 0 Lux With IR On Mono: 0.01 Lux (F1.4)			
S/N Ratio		More than 50dB (AGC Off)							
Auto Gain Control		36dB Variable Gain							
White Balance		ATW							
Aperture Gain Correction		Horizontal , Vertical							
Electronic Shutter		1/60(1/50)S ~ 1/100,000S (Auto)							
Back Light Compensation		Auto							
Video Output		CVBS 1.0Vp-p/75Ω BNC							
Gamma Characteristic		γ=0.45							
Power Consumption		14W							
Windows		Φ78 Heat Resistant Glass							
Infrared LED	PeakWavelength	850nm							
	Radiant Distance	50M	60M	50M	60M	50M	60M	50M	60M
	Beam Spread	30°							
Power Consumption		IP 66							
Operating Temperature		-10°C ~ + 50°C (14°F ~122°F)							
Dimension		Body: 120mm(W) x 112mm(H) x 328mm(D) / Bracket:211.5mm (L)							
Weight		2000g							

PIH 042 / 044

Mini Dome IR Camera

Features

▪ Avoid IR Reflection to Provide Perfect Video

▪ Adopt "Special Optical Low Pass filter"

▪ High Efficiency IR LED: Radiant Distance 16M

▪ Automatically Activates LED: Below 10 Lux

▪ High Sensitivity Sensor, Excellent Picture Quality

▪ Optional 3.6, 4.3, 6.0, & 8.0mm Lens

| 540TVL | IR LED | 16M | D&N | BLC | AWB | AGC |

Dimensions Φ93 x 74 mm

(Unit:mm)

93 | 74

IR Camera

| Name		Mini Dome IR Camera			
Series Number		PIH-042/044			
Type		Standard Resolution		Super High Resolution	
Model	NTSC	PIH-0422N6	PIH-0422N3.6	PIH-0442N6	PIH-0442N4.3
	PAL	PIH-0422P6	PIH-0422P3.6	PIH-0442P6	PIH-0442P4.3
Lens	Focal Length	6.0 mm	3.6 mm	6.0 mm	4.3 mm
	Iris	F1.4	F2.0	F1.8	F2.0
	Angle of View — H	44.5°	73°	44.5°	62.4°
	V	33.1°	54.5°	33.1°	46.8°
	D	56°	92°	56°	78°
Power Supply		DC12V±10%			
Image Pick-up Device		Sony 1/3" Super HAD CCD Sensor			
Effective Pixels	NTSC	510 (H) x 492 (V)		768 (H) x 494 (V)	
	PAL	500 (H) x 582 (V)		752 (H) x 582 (V)	
Chip size		5.59mm(H) x 4.68mm(V)			
H/V Sync. Frequency	NTSC	15.734KHz / 59.94Hz			
	PAL	15.625KHz / 50Hz			
Scanning System		2:1 Interlace			
Sync. Mode		Internal			
Resolution		380TV Lines		540TV Lines	
Min. Illumination		0.2 Lux / F1.8 (0 Lux With IR On)		0.5 Lux / F1.8 (0 Lux With IR On)	
S/N Ratio		More than 50dB (AGC Off)			
Auto Gain Control		36dB Variable Gain			
White Balance		ATW			
Aperture Gain Correction		Horizontal , Vertical			
Electronic Shutter		1/60(1/50)S ~ 1/100,000S (Auto)			
Back Light Compensation		Auto			
Video Output		CVBS 1.0Vp-p / 75Ω BNC			
Gamma Characteristic		γ=0.45			
Power Consumption		3W			
Infrared LED	Peak Wavelength	850nm			
	Beam Spread	30°			
	Radiant Distance	16M			
Operating Temperature		-10°C ~ + 50°C (14°F ~122°F)			
Dimension		Φ93 x 74 mm			
Weight		230g			
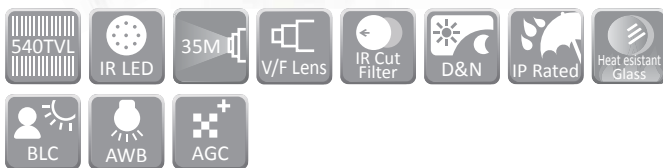
LILIN

CMR 22 / 25

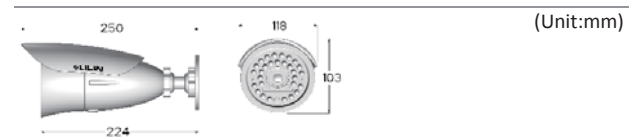## D/N Vari-Focal IR Camera

Features

- Standard Resolution (380 TV Lines) / Super High Resolution (540 TV Lines)
- High Efficiency IR LED (Φ5*32Pcs + Φ8*10Pcs) ;Radiant Distance 35M
- Aluminum Housing with IP 68 Rating
- Housing and Bracket are Integrated
- Innovatory External Adjustment with Waterproof for Zoom and Focus of Vari-Focal Lens
- With ICR & IR LED

| 540TVL | IR LED | 35M | V/F Lens | IR Cut Filter | D&N | IP Rated | Heat esistant Glass |
| BLC | AWB | AGC |

Dimensions 118mm(W) x 103mm(H) x 250mm(D)

(Unit:mm)

250   118   103   224

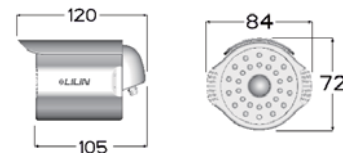| Weatherproof IR Camera								
Name		D/N Vari-Focal IR Camera						
Series Number		CMR22/25						
Type		Standard Resolution				Super High Resolution		
Model		CMR224X3.6N CMR224X3.6P	CMR228X3.6N CMR228X3.6P	CMR224X2.2N CMR224X2.2P	CMR228X2.2N CMR228X2.2P	CMR254X3.6N CMR254X3.6P	CMR258X3.6N CMR258X3.6P	CMR254X2.2N CMR254X2.2P	CMR258X2.2N CMR258X2.2P
Lens	Focal Length	3.3 ~ 12mm		4 ~ 9mm		3.3 ~ 12mm		4 ~ 9mm	
	Iris	F1.4		F1.6		F1.4		F1.6	
	Angle of View — H	89.8°~ 23.9°		69°~ 30.7°		89.8°~ 23.9°		69°~ 30.7°	
	V	63.6°~ 17.9°		51°~ 23°		63.6°~ 17.9°		51°~ 23°	
	D	125.7°~ 29.9°		86°~ 38.5°		125.7°~ 29.9°		86°~ 38.5°	
Power Supply		AC24V ±10%	AC100V ~240V	AC24V ±10%	AC100V ~240V	AC24V ±10%	AC100V ~240V	AC24V ±10%	AC100V ~240V
System		NTSC or PAL							
Image Pick-up Device		1/3" Exview HAD CCD Sensor				1/3" Super HAD CCD Sensor			
Effective Pixels	NTSC	510(H) x 492(V)				768(H) x 494(V)			
	PAL	500(H) x 582(V)				752(H) x 582(V)			
Chip Size		6.00mm(H) x 4.96mm(V)				5.59mm(H) x 4.68mm(V)			
H/V Sync. Frequency	NTSC	15.734 KHz / 59.94Hz							
	PAL	15.625 KHz / 50Hz							
Scanning System		2:1 Interlace							
Sync. Mode		Internal							
Infrared Cut Filter		Auto Selectable, Automatic Switch From Color Mode To Monochrome		-		Auto Selectable, Automatic Switch From Color Mode To Monochrome		-	
Resolution		Color: 380 TV Lines , Mono: 450 TV Lines				Color: 540 TV Lines , Mono: 600 TV Lines			
Min. Illumination		Color: 0.02 Lux / F1.4		Color: 0.03 Lux / F1.6		Color: 0.05 Lux / F1.4		Color: 0.07 Lux / F1.6	
		Mono: 0.005 Lux / F1.4		Mono: 0.007 Lux / F1.6		Mono: 0.01 Lux / F1.4		Mono: 0.015 Lux / F1.6	
		0 Lux With IR ON							
S/N Ratio		More than 50dB (AGC-OFF)							
Auto Gain Control		36dB Variable Gain							
White Balance		ATW							
Aperture Gain Correction		Horizontal, Vertical							
Back Light Compensation		Auto							
Video Output		CVBS 1.0Vp-p/75Ω							
Gamma Characteristic		γ=0.45							
Power Consumption		7.2W							
Infrared LED	Peak Wavelength	850nm							
	Beam Spread	30°							
	Radiant Distance	35M							
Window		Φ79 Heat Resistant Glass							
IP Rating		IP68							
Operating Temperature		-10°C ~ + 50°C (14°F ~122°F)							
Dimension		118mm(W) x 103mm(H) x 250mm(D)							
Weight		730g							

LILIN

PIH 052 / 054

21M IR Camera

Features

- High Efficiency IR LED; Radiant Distance 21M
- Adopts "Special Optical Low Pass Filter"
- Automatically Activates LED:Below 10 Lux.
- Aluminum Housing with IP 68 Rating
- High Sensitivity Sensor, Excellent Picture Quality
- Optional 3.6, 6.0 and 8mm lenses

| 540TVL | IR LED | 21M | D&N | IP Rated | BLC | AWB |
| AGC |

Dimensions Φ84 x 105 mm

(Unit:mm)

120 / 84 / 72 / 105

Weatherproof IR Camera				
Name		**21M IR Camera**		
Series Number		**PIH-052/054**		
Type		Standard Resolution		Super High Resolution	
Model	NTSC	PIH-0522N6	PIH-0522N3.6	PIH-0542N6	PIH-0542N3.6
	PAL	PIH-0522P6	PIH-0522P3.6	PIH-0542P6	PIH-0542P3.6
Lens	Focal Length	6.0 mm	3.6 mm	6.0 mm	3.6 mm
	Iris	F1.8	F2.0	F1.8	F2.0
	Angle of View — H	44.5°	73°	44.5°	73°
	V	33.1°	54.5°	33.1°	54.5°
	D	56°	92°	56°	92°
Power Supply		DC12V ±10%			
Image Pick-up Device		Sony 1/3" Super HAD CCD Sensor			
Effective Pixels	NTSC	510 (H) x 492 (V)		768 (H) x 494 (V)	
	PAL	500 (H) x 582 (V)		752 (H) x 582 (V)	
Chip size		5.59mm(H) x 4.68mm(V)			
H/V Sync. Frequency	NTSC	15.734KHz / 59.94Hz			
	PAL	15.625KHz / 50Hz			
Scanning System		2:1 Interlace			
Sync. Mode		Internal			
Resolution		380TV Lines		540TV Lines	
Min. Illumination		0.2 Lux / F1.8 (0 Lux with IROn)		0.5 Lux / F1.8 (0 Lux with IROn)	
S/N Ratio		More than 50dB (AGC Off)			
Auto Gain Control		36dB Variable Gain			
White Balance		ATW			
Aperture Gain Correction		Horizontal , Vertical			
Electronic Shutter		1/60S(1/50)S~ 1/100,000S (Auto)			
Back Light Compensation		Auto			
Video Output		CVBS 1.0Vp-p/75Ω BNC			
Gamma Characteristic		γ=0.45			
Power Consumption		4.3W			
Infrared LED	Peak Wavelength	850nm			
	Beam Spread	30°			
	Radiant Distance	21M			
IP Rating		IP 68			
Operating Temperature		-10°C~ + 50°C (14°F ~122°F)			
Dimension		Φ84 x 105 mm			
Weight		500g			

LILIN

PIH 062 / 064

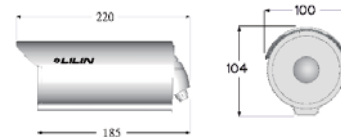## 30M IR Camera

Features

- High Efficiency IR LED; Radiant Distance 30M
- Outdoor Application
- Adopts "Special Optical Low Pass Filter", No Focus Shift
- Monochrome Image at Night, No Color Noise
- Automatically Activates LED:Below 10 Lux.
- Aluminum Housing with IP 66 Rating
- Optional 4.3, 6.0, 8.0, 12.0 & 16.0mm lens

| 540TVL | IR LED | 30M | D&N | IP Rated | BLC | AWB |
| AGC | Heat esistant Glass | | | | | |

Dimensions Φ100 x 185 mm

(Unit:mm)

Weatherproof IR Camera									
Name		30M IR Camera							
Series Number		PIH-062/064							
Type		Standard Resolution				Super High Resolution			
Model	NTSC	PIH-0624N8	PIH-0628N8	PIH-0624N6	PIH-0628N6	PIH-0644N8	PIH-0648N8	PIH-0644N6	PIH-0648N6
	PAL	PIH-0624P8	PIH-0628P8	PIH-0624P6	PIH-0628P6	PIH-0644P8	PIH-0648P8	PIH-0644P6	PIH-0648P6
Lens	Focal Length	8.0 mm		6.0 mm		8.0 mm		6.0 mm	
	Iris	F2.0		F1.8		F2.0		F1.8	
	Angle of View H	32°		44.5°		32°		44.5°	
	V	24°		33.1°		24°		33.1°	
	D	40°		56°		40°		56°	
Power Supply		AC24V± 10%	AC 90V~ 260Vmax.	AC24V±10%	AC 90V~ 260Vmax.	AC24V±10%	AC 90V~ 260Vmax.	AC24V±10%	AC 90V~ 260Vmax.
Image Pick-up Device		Sony 1/3" Super HAD CCD Sensor							
Effective Pixels	NTSC	510 (H) x 492 (V)				768 (H) x 494 (V)			
	PAL	500 (H) x 582 (V)				752 (H) x 582 (V)			
Chip Size		5.59mm(H) x 4.68mm(V)							
H/V Sync. Frequency	NTSC	15.734KHz / 59.94Hz							
	PAL	15.625KHz / 50Hz							
Scanning System		2:1 Interlace							
Sync. Mode		Internal							
Resolution		380TV Lines				540TV Lines			
Minimum Illumination		0.01 Lux / F1.8 (0 Lux With IR On)				0.05 Lux / F1.8 (0 Lux With IR On)			
S/N Ratio		More than 50dB (AGC Off)							
Auto Gain Control		36dB Variable Gain							
White Balance		ATW							
Aperture Gain Correction		Horizontal , Vertical							
Electronic Shutter		1/60(1/50)S ~ 1/100,000S (Auto)							
Back Light Compensation		Auto							
Video Output		CVBS 1.0Vp-p/75Ω BNC							
Gamma Characteristic		γ=0.45							
Power Consumption		10W							
Windows		Φ88Heat Resistant Glass							
Infrared LED	Peak Wavelength	850nm							
	Radiant Distance	30M							
	Beam Spread	30°							
IP Rating		IP 66							
Operating Temperature		-10°C ~ + 50°C (14°F ~122°F)							
Dimension		Φ100 x 185 mm							
Weight		1180g							

PIH 0742X / 0746X

Camera Series
IR Camera

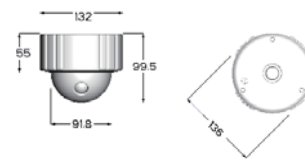## D/N Vandal Resistant Vari-Focal IR Dome Camera

Features

- Radiant Distance Up to 21M
- Aspherical Varifocal Lens
- High Quality ED Glass Lens
- IP 68 Rating
- Impact Resistant Polycarbonate Dome Cover
- Tamper Proof Screws
- Test Monitor Connection Inside
- Choice of Lenses
- Automatically Actives LED: Below 10 Lux

Dimensions Dome:Φ91.8,Base & Fix Ring:Φ136 x 55 mm

(Unit:mm)

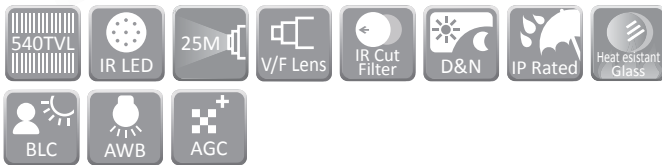|		Weatherproof & Vandal Proof IR Camera			
Name		D/N Vandal Resistant Vari-Focal IR Dome Camera			
Series Number		PIH-0742X/0746X			
Type		Super High Resolution			
Model	NTSC	PIH-0742XWN	PIH-0742XSN	PIH-0746XWN	PIH-0746XSN
	PAL	PIH-0742XWP	PIH-0742XSP	PIH-0746XWP	PIH-0746XSP
Lens	Focal Length	2.8~12mm	9~22 mm	2.8~12mm	9~22 mm
	Iris	F1.2	F1.6	F1.2	F1.6
	Angle of View — H	99.6° ~ 24.9°	32.1° ~ 13.1°	99.6° ~ 24.9°	32.1° ~ 13.1°
	V	73.2° ~ 18.8°	23.3° ~ 9.8°	73.2° ~ 18.8°	23.3° ~ 9.8°
	D	128.5° ~ 31.0°	41.9° ~ 16.3°	128.5° ~ 31.0°	41.9° ~ 16.3°
Power Supply		DC12V±10%		DC12V(10%) or AC24V(10%)	
Image Pick-up Device		1/3" Super HAD CCD Sensor			
Effective Pixels	NTSC	768 (H) x 494 (V)			
	PAL	752 (H) x 582 (V)			
Chip size		5.59mm(H) x 4.68mm(V)			
H/V Sync. Frequency	NTSC	15.734KHz / 59.94Hz			
	PAL	15.625KHz / 50Hz			
Scanning System		2:1 Interlace			
Sync. Mode		Internal			
Infrared Cut Filter		Auto Selectable Automatic Switch From Color Mode To Monochrome			
Resolution		Color: 540TV Lines, Mono: 600TV Lines			
Min. Illumination	Color	0.03Lux(F1.2)	0.07Lux(F1.6)	0.03Lux(F1.2)	0.07Lux(F1.6)
	Mono	0.007Lux(F1.2)	0.015Lux(F1.6)	0.007Lux(F1.2)	0.015Lux(F1.6)
	IR On	0Lux			
S/N Ratio		More than 50dB (AGC Off)			
Auto Gain Control		36dB Variable Gain			
White Balance		ATW			
Aperture Gain Correction		Horizontal , Vertical			
Back Light Compensation		Auto			
Video Output		CVBS 1.0Vp-p/75Ω BNC			
Gamma Characteristic		γ=0.45			
Power Consumption		4.3W		6.2W(DV12V) , 4.5W(AV24V)	
Vandal Proof		Withstand a blow from a 10lbs Sledgehammer			
IP Rating		IP 68			
Infrared LED	Peak Wavelength	850 nm			
	Beam Spread	30°			
	Radiant Distance	21M			
Operating Temperature		-10°C ~ + 50°C (14°F ~122°F)			
Dimension		Dome:Φ91.8 & Base:Φ136 x 55 mm			
Weight		1200g			

LILIN

CMR 12 / 15

D/N Standard Resolution Vari-Focal IR Camera

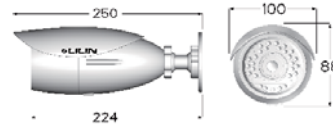### Features

- Standard Resolution (380 TV Lines) / Super High Resolution (540 TV Lines)
- High Efficiency IR LED (Φ5*28Pcs) ; Radiant Distance 25M
- Aluminum Housing with IP 68 Rating
- Housing and Bracket are Integrated
- Innovatory External Adjustment with Waterproof for Zoom and Focus of Vari-Focal Lens
- With ICR & IR LED

| 540TVL | IR LED | 25M | V/F Lens | IR Cut Filter | D&N | IP Rated | Heat esistant Glass |
| BLC | AWB | AGC |

Dimensions 100mm(W) x 88mm(H) x 250mm(D)

(Unit:mm)

250 / 224 / 100 / 88

Weatherproof IR Camera							
Name		D/N Vari-Focal IR Camera					
Series Number		CMR12/15					
Type		Standard Resolution			Super High Resolution		
Model		CMR124X3.6N CMR128X3.6N CMR124X3.6P CMR128X3.6P	CMR124X2.2N CMR124X2.2P	CMR128X2.2N CMR128X2.2P	CMR154X3.6N CMR158X3.6N CMR154X3.6P CMR158X3.6P	CMR154X2.2N CMR154X2.2P	CMR158X2.2N CMR158X2.2P
Lens	Focal Length	3.3 ~ 12mm	4 ~ 9mm		3.3 ~ 12mm	4 ~ 9mm	
	Iris	F1.4	F1.6		F1.4	F1.6	
	Angle of View — H	89.8°~ 23.9°	69°~ 30.7°		89.8°~ 23.9°	69°~ 30.7°	
	V	63.6°~ 17.9°	51°~ 23°		63.6°~ 17.9°	51°~ 23°	
	D	125.7°~ 29.9°	86°~ 38.5°		125.7°~ 29.9°	86°~ 38.5°	
Power Supply		AC24V±10%	AC100V~240V	AC24V±10%	AC100V~240V	AC24V±10%	AC100V~240V	AC24V±10%	AC100V~240V
System		NTSC or PAL						
Image Pick-up Device		Sony 1/3" Exview HAD CCD Sensor			Sony 1/3" Super HAD CCD Sensor		
Effective Pixels — NTSC		510(H) x 492(V)			768(H) x 494(V)		
PAL		500(H) x 582(V)			752(H) x 582(V)		
Chip Size		6.00mm(H) x 4.96mm(V)			5.59mm(H) x 4.68mm(V)		
H/V Sync. Frequency — NTSC		15.734 KHz / 59.94Hz						
PAL		15.625 KHz / 50Hz						
Scanning System		1 Interlace						
Sync. Mode		Internal						
Infrared Cut Filter		Auto Selectable, Automatic Switch From Color Mode To Monochrome	-		Auto Selectable, Automatic Switch From Color Mode To Monochrome	-	
Resolution		Color: 380 TV Lines , Mono: 450 TV Lines			Color: 540 TV Lines , Mono: 600 TV Lines		
Min. Illumination		Color: 0.02 Lux / F1.4 Mono: 0.005 Lux / F1.4	Color: 0.03 Lux / F1.6 Mono: 0.007 Lux / F1.6		Color: 0.05 Lux / F1.4 Mono: 0.01 Lux / F1.4	Color: 0.07 Lux / F1.6 Mono: 0.015 Lux / F1.6	
		0 Lux With IR On						
S/N Ratio		More than 50dB (AGC-Off)						
Auto Gain Control		36dB Variable Gain						
White Balance		ATW						
Aperture Gain Correction		Horizontal, Vertical						
Back Light Compensation		Auto						
Video Output		CVBS 1.0Vp-p/75Ω						
Gamma Characteristic		γ=0.45						
Power Consumption		7.2W						
Infrared LED — Peak Wavelength		850nm						
Beam Spread		30°						
Radiant Distance		25M						
Window		Φ61 Heat Resistant Glass						
IP Rating		IP68						
Operating Temperature		-10°C ~ + 50°C (14°F ~122°F)						
Dimension		100mm(W) x 88mm(H) x 250mm(D)						
Weight		700g						

LILIN

NEW

CMR352X

D/N Vandal Resistant Vari-Focal IR Dome Camera

540TVL	IR LED	30M	V/F Lens	IR Cut Filter	D&N	IP Rated	Vandal Proof

BLC	AWB	AGC

Features

- High Efficiency IR LED(Ø5*35Pcs); Radiant Distance 30M
- Aluminum Housing with IP66 Rating
- Housing and Bottom Chassis are Integrated
- Innovatory External Adjustment with Waterproof for Zoom and Focus of Vari-Focal Lens
- Impact Resistant Polycarbonate Transparence Mask
- Infrared Cut Filter Mechanism, Auto Color & Mono Switching
- Automatically Actives IR LED: Below 10Lux

Dimensions Ø130 x 110mm

(Unit:mm)

Weatherproof & Vandal Proof IR Camera		
Name	**Day & Night Vandal Resistant Vari-Focal IR Dome Camera**	
Series Number	**CMR352X**	
Model	CMR352X3.6N	CMR352X3.6P
Lens — Focal Length	3.3~12mm	
Lens — Iris	F1.4	
Lens — Angle of view H	89.8° ~ 23.9°	
Lens — Angle of view V	63.6° ~ 17.9°	
Lens — Angle of view D	125.7° ~ 29.9°	
Power Input Voltage	DC12V±10%	
System	NTSC or PAL	
Sync. Mode	Internal	
Pick Up Element	1/3" Super HAD CCD Sensor	
Effective Pixels	768(H) x 494(V) [NTSC]	752(H) x 582(V) [PAL]
Chip Size	5.59mm(H) x 4.68mm(V)	
Horizontal & Vertical Sync. Frequency	15.734KHz / 59.94Hz [NTSC]	15.625KHz / 50Hz [PAL]
Scanning System	2 : 1 Interlace	
Infrared Cut Filter	Auto Selectable, Automatic Switch From Color Mode to Monochrome	
Resolution	Color: 540TV Lines, Mono: 600TV Lines	
Minimum Illumination	Color: 0.05Lux / F1.4, Mono: 0.01Lux / F1.4, 0Lux(IR ON)	
S/N Ratio	More Than 50dB (AGC OFF)	
Auto Gain Control	36dB Variable Gain	
White Balance	ATW	
Aperture Correction	Horizontal, Vertical	
Power Consumption	6.8W	
Back Light Compensation	Auto	
Video Output	CVBS1.0Vp-p , 75Ohm	
Operating Temperature	-10°C ~ +50°C (14°F ~ 122°F)	
Gamma Characteristic	γ= 0.45	
IP Rating	IP66	
Vandal Proof	Withstand a blow from a 10 lbs sledgehammer	
Infrared LED — Peak Wavelength	850nm	
Infrared LED — Beam Spread	30°	
Infrared LED — Radiant Distance	30M	
Dimension	Ø130 x 110mm	
Weight	880g	

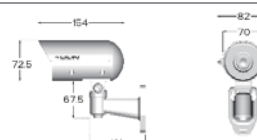**NEW**

CMR 752X

D&N Vari-Focal IR Camera

Features

- Radiant Distance Up to 30M
- Cable Managed Housing and Bracket
- High Sensitivity CCD Sensor
- Perfect Solution for Day / Night Applications
- IP66 Weather Rating
- Automatically Activates LED: Below 10 Lux
- High Quality Optical Glass Construction
- Unique Front Glass Design Separates Lens from IR LEDs

540TVL	IR LED	30M	V/F Lens	IR Cut Filter	D&N	IP Rated	Heat Resistant Glass

BLC	AWB	AGC
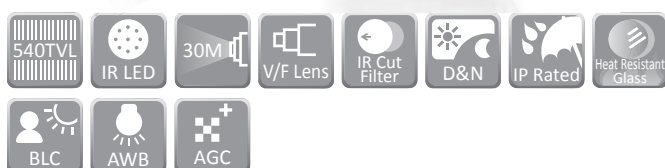
Dimensions
Body: 82mm(W) x 72.5mm(H) x 154mm(D)
Bracket: 101mm(L)
(Unit:mm)

Weatherproof IR Camera	
Name	**Day & Night Vari-Focal IR Camera**
Series Number	**CMR 752X**
Model	CMR752X3.6N/P
Lens — Focal Length	3.3~12mm
Lens — Iris	F1.4
Lens — Angle of view — H	89.8°~ 23.9°
Lens — Angle of view — V	63.6°~ 17.9°
Lens — Angle of view — D	125.7°~ 29.9°
Power Input Voltage	DC12V±10%
System	NTSC or PAL
Sync. Mode	Internal
Pick Up Element	Sony 1/3" Super HAD CCD Sensor
Effective Pixels	768(H) x 494(V) [NTSC] / 752(H) x 582(V) [PAL]
Chip Size	5.59mm(H) x 4.68mm(V)
Horizontal & Vertical Sync. Frequency	15.734KHz / 59.94Hz [NTSC] / 15.625KHz / 50Hz [PAL]
Scanning System	2 : 1 Interlace
Infrared Cut Filter	Auto Selectable, Automatic Switch From Color Mode to Monochrome
Resolution	Color: 540TV Lines, Mono: 600TV Lines
Minimum Illumination	Color: 0.05Lux /F1.4 , Mono: 0.01Lux /F1.4 0Lux (IR ON)
S/N Ratio	More Than 50dB (AGC OFF)
Auto Gain Control	36dB Variable Gain
White Balance	ATW
Aperture Correction	Horizontal, Vertical
Back Light Compensation	Auto
Video Output	CVBS1.0Vp-p , 75Ohm
Gamma Characteristic	γ=0.45
Power Consumption	6.6W
Infrared LED — Peak Wavelength	850nm
Infrared LED — Beam Spread	30°
Infrared LED — Radiant Distance	30M
Window	Φ61 Heat Resistant Glass
IP Rating	IP66
Operating Temperature	-10°C ~ + 50°C (14°F ~122°F)
Dimension	Body: 82mm(W) x 72.5mm(H) x 154mm(D), Bracket: 101mm(L)
Weight	500g

LILIN

FAST DOME

Indoor IR Fast Dome

Indoor Fast Dome

Outdoor Fast Dome

LILIN

ICON

Fast Dome Series

540 TV Line

High Resolution 540 TV Lines

800-
700-
600-
540 TVL
500-
400-
420 TVL

Color:540TVL

800-
700-
600 TVL
600-
500-
480 TVL
400-
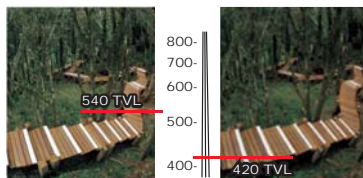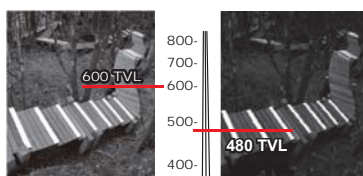
Mono:600TVL

AWB

Allows the color camera to adjust the tone according to the light source, adjust to produce white color while detecting white color object in the scene.

AWB OFF   AWB ON

AGC

In low brightness situation, the Auto Gain Control will be adjusted according to lighting condition for displaying a bright and clear image.

AGC OFF   AGC ON

Day & Night with IR Cut Filter

Day & Night- equip with built-in Mechanical ICR filter perfect for 24-hour and 7 day (24/7) surveillance. It provides perfectly visible colors during daylight and IR Cut filter remove automatically at night time to give clear B/W images at night as well.

Day   Night

BLC

When light is behind the main object, the main object and back ground's light and shade contrast is big, uses backlight compensation function to make both main object and background exposure level close.

BLC OFF   BLC ON

Privacy Zone

Privacy Zone – with the advanced Privacy Zone Masking function, unwanted or prohibited areas within an image can be masked appropriately.

Conventional   Privacy Zone

OSD

On-screen display function may display date, time, camera ID, system configuration and control details.

Optical Zoom Lens

Choice of 2.6X.12X.25X.30X.35X optical zoom with maintain focus.

Conventional   Optical Zoom Lens

LILIN

ICON

Auto-Tracking

Auto lock and Zoom-in to oncoming objects

(Selection: 1.Auto tracking 2.Presets patrol)

Angle of View 43.7°

5m	10km/hr
10m	20km/hr
20m	40km/hr
40m	80km/hr
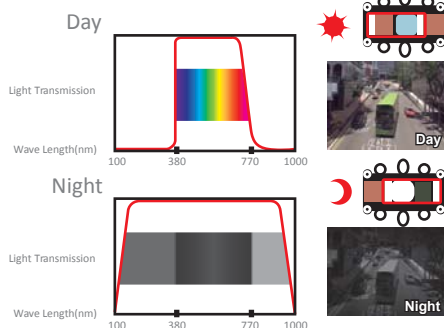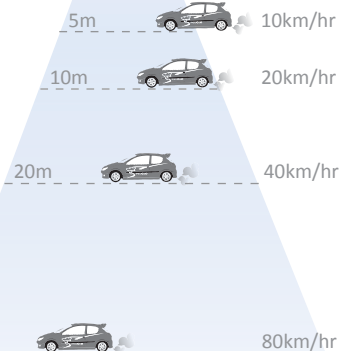
The limitation of tracking object moving speed

IR Cut Filter

Auto Selectable / Automatic Switch from Color Mode to Monochrome.

Day

Light Transmission

Wave Length(nm)   100   380   770   1000

Day

Night

Light Transmission

Wave Length(nm)   100   380   770   1000

Night

IR LED

Built in Infrared LED, enhance the brightness of illuminated object

IR LED OFF   IR LED ON

IP Rated

IP Rated, water-proof and dust proof

Wide Dynamic Range

Wide Dynamic Range – utilizes 1/3" Vertical Double-Density Interline CCD Sensor incorporating powerful 3D WDR, captures cleaner and superior high resolution pictures even in harsh lighting conditions typically experienced when outside sunlight and indoor light sources overlap.

Conventional

WDR

BLC

Flickerless

Prevent image flickering cause by different frequency between light and camera system.

Flickerless OFF   Flickerless ON

50dB S / N Ratio

Ratio – Signal / Noise Ratio, indicates noise level, higher ratio, less noise.

Fast Dome Series

Comparison Table

Fast Dome Series

Product picture					
Series Number	SP203 / SP212	SP303 / SP312	PIH-7625	PIH-7625DH / PIH-7630DH / PIH-7635DH	PIH-7525DH / PIH-7530DH / PIH-7535DH
Name	2.6X / 12X Super High Resolution IR Fast Dome Camera Series	2.6X / 12X Day & Night Super High-Resolution Fast Dome Camera Series	25X Day & Night Fast Dome Camera Series	25X / 30X / 35X High Resolution Day & Night Fast Dome Camera Series	25X / 30X / 35X Outdoor High Resolution Day & Night Fast Dome Camera Series
Color Resolution	540TVL	540TVL	480TVL	520TVL	520TVL
Color Minimum Illumination	0.5 Lux / F1.9(SP203) 0.3 Lux / F1.6(SP212)	0.5 Lux / F1.9 (SP303) 0.3 Lux / F1.6(SP312)	0.1 Lux / F1.6		
D/N (Built-in IR Cut Filter)	✪	✪	✪	✪	✪
IR LED	✪	-	-	-	-
Zoom Ratio	2.6X (SP203) / 12X(SP212)	2.6X (SP303)/ 12X(SP312)	25X	25X/30X/35X	25X/30X/35X
Presets	128				
Privacy Zone	4 zone		8 zone		
IP66	-	-	-	-	✪
Extension Models	IP Model (IPS203/212)	IP Model (IPS303/312)	Digital Zoom Model (PIH-7625D) WDR Model (PIH-7625DW) Tracking Model (PIH-7625T) IP Model (PIH-7625IP)	Tracking Model (ST125/130/135) IP Model (IPS125/130/135)	Tracking Model (ST025/030/035) IP Model (IPS025/030/035)

25X Day & Night High Resolution Fast Dome Camera

The PIH-7625D series Day & Night High Resolution Fast Dome Camera is equipped with a 25x optical zoom lens, Combined with a 256x digital zoom, for a total zoom capability up to 4600. The PIH-7625DW series Day & Night High Resolution Fast Dome Camera is equipped with a 25x optical zoom lens, Combined with a 2.56x digital zoom, for a total zoom capability up to 64x, this camera can identify distant subject. With its 400:1 Wide Dynamic Range, the PIH-7625DW Series works beautifully even when contrast changes from scene to scene.Area free natural contrast image correction ensures accurate reproduction, whatever the subject. With 480 TVL resolution (color) and 520 TVL resolution (mono). They also provide images stay clear during night time and sharp in lighting as low as 0.1 Lux (in color) and 0.01 Lux (in Mono) with ICR Day & Night feature.

Day / Night & Human Tracking System Fast Dome Camera

The 25X Fast Dome Camera incorporates an IR Cut Filter mechanism which automatically switches between color during the day and mono at night. Offering unrivalled picture quality, the camera provides a wealth of features and is extremely simple to install and operate. The PIH-7625T has a built-in intelligent video processing chip to improve accuracy and eliminate false action occurrence. Different from other cameras, our new technology allows us to manage the motion tracking function with a single camera. The system will auto zoom and monitor the object on the screen.

25X/30X/35X Day & Night Super High Resolution Fast Dome Camera

The new LILIN PIH-7625/7630/7635DH series Day & Night Super High Resolution Fast Dome Camera is equipped with a 25x/30x/35x optical zoom lens. Horizontal resolution is also significantly higher, 520 lines (typical) in color or 580 lines in Mono. Its also provides images stay clear during night time and sharp in lighting as low as 0.1 lux (in color) and 0.01 lux (in Mono) with IR Day & Night feature. Its 0.15°/sec. slow speed fi ne control and powerful zoom let you zoom in smoothly on your subject. In addition, PIH-7625/7630/7635DH series provides premium features such as 128 presets, 8 privacy zone, ensuring the data protection and security requirement. The PIH-7625/7630/7635DH demonstrates the best stability and reliability for your security.

25X/30X/35X Human Tracking System Fast Dome Camera

The new LILIN ST125/130/135 series Human Tracking System Fast Dome Camera is equipped with a 25x/30x/35x optical zoom lens. Horizontal resolution is also signifi cantly higher, 520 lines (typical) in color or 580 lines in Mono. Its also provides images stay clear during night time and sharp in lighting as low as 0.1 lux (in color) and 0.01 lux (in Mono) with IR Day & Night feature. Its 0.15°/sec. slow speed fine control and powerful zoom let you zoom in smoothly on your subject. In addition, ST125/130/135 series provides premium features such as 128 presets, 8 privacy zone, ensuring the data protection and security requirement. Moreover, new intelligent functions, auto tracking function.

25X/30X/35X Outdoor Day & Night Super High Resolution Fast Dome Camera

The new LILIN PIH-7525/7530/7535DH series Outdoor Day & Night Super High Resolution Fast Dome Camera integrates a weatherproof housing, 360° high-speed pan and tilt base, and 25x/30x/35x optical zoom lens. Up to 255 arbitrary positions can be preset and such preset positions can be instantaneously repeated. Moreover, horizontal resolution is also significantly higher, 520 lines (typical) in color or 580 lines in Mono. It also provides images stay clear during night time and sharp in lighting as low as 0.1 lux (in color) and 0.01 lux (in Mono) with IR Day & Night feature. Its 0.15°/sec. slow speed fine control and powerful zoom let you zoom in smoothly on your subject. In addition, PIH-7525/7530/7535DH series provides premium features such as 128 presets, 8 privacy zone, ensuring the data protection and security requirement. Because the camera is integrated with an outdoor-use housing and a built-in fan heater, it can be freely used outdoors as well.

25X/30X/35X Outdoor Human Tracking System Fast Dome Camera

The new LILIN ST025/030/035 series Outdoor Human Tracking System Fast Dome Camera integrates a weatherproof housing, 360° highspeed pan and tilt base, and 25x/30x/35x optical zoom lens. Up to 255 arbitrary positions can be preset and such preset positions can be instantaneously repeated. Moreover, horizontal resolution is also significantly higher, 520 lines (typical) in color or 580 lines in Mono. Its also provides images stay clear during night time and sharp in lighting as low as 0.1 lux (in color) and 0.01 lux (in Mono) with IR Day & Night feature. Its 0.15°/sec. slow speed fine control and powerful zoom let you zoom in smoothly on your subject. In addition, ST025/030/035 series provides premium features such as 128 presets, 8 privacy zone, ensuring the data protection and security requirement. Moreover, new intelligent functions, auto tracking function. Because the camera is integrated with an outdoor-use housing and a built-in fan heater, it can be freely used outdoors as well.
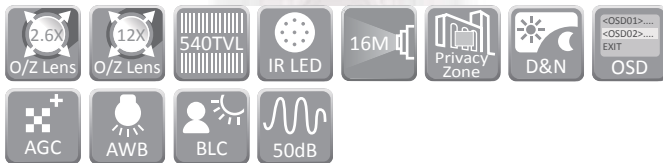
Easy installation
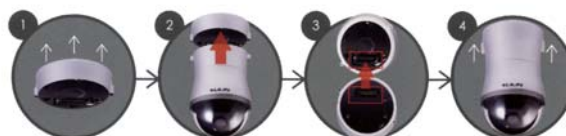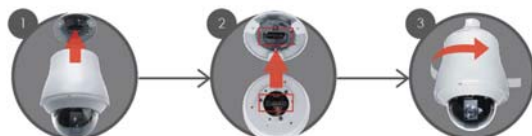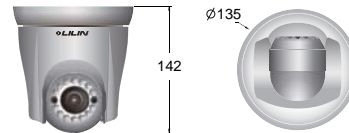
SP 203 / 212

2.6X / 12X Super High Resolution
IR Fast Dome Camera Series

Features

- 2.6X Optical Zoom Lens(2.8 ~ 7.3 mm) /
  12X Optical Zoom Lens (3.8 ~ 45.6mm)
- Privacy Masking Zone Function
- Higher Horizontal Resolution of 540 TV Line
- Auto Focus Lens
- Horizontal Flip Function
- Auto Panning Function with Auto Scan or Seq. or Tours
- 360° Endless Panning
- Multi-Protocol
- 8 Languages (English / French / German / Spanish / Chinese / Portuguese / Russian / Polish)

Dimensions 142 mm (H) x 135 mm (D)

(Unit:mm)

Ø135

142

2.6X O/Z Lens | **12X O/Z Lens** | **540TVL** | **IR LED** | **16M** | **Privacy Zone** | **D&N** | **OSD** | **AGC** | **AWB** | **BLC** | **50dB**

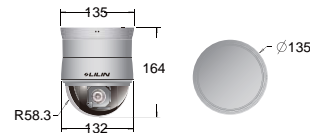|		Indoor Fast Dome Camera						
Name		**2.6X / 12X Super High Resolution IR Fast Dome Camera Series**						
	Model	SP2034N	SP2038N	SP2034P	SP2038P	SP2124N	SP2128N	SP2124P	SP2128P
General	System	NTSC		PAL		NTSC		PAL	
	Power Supply	AC 24V ±10%	AC 100V ~ 240V	AC 24V ±10%	AC 100V ~ 240V	AC 24V ±10%	AC 100V ~ 240V	AC 24V ±10%	AC 100V ~ 240V
	Power Consumption	10 Watts							
	Image Pick-up Device	Sony 1/4" Super HAD CCD							
	Effective Pixels	768 (H) x 494 (V)		752 (H) x 582 (V)		768 (H) x 494 (V)		752 (H) x 582 (V)	
	Scanning System	2:1 Interlace							
	Scanning Frequency	15.734 KHz (H) , 59.94 Hz (V)		15.625 KHz (H) , 50 Hz (V)		15.734 KHz (H) , 59.94 Hz (V)		15.625 KHz (H) , 50 Hz (V)	
	Synchronization	Internal							
	Video Output	CVBS 1.0 Vp-p / 75 ΩBNC							
	Horizontal Resolution	Color : 540 TV Lines , Mono : 600 TV Lines							
	Signal to Noise Ratio	More Than 50 dB (AGC : Off)							
	Minimum Illumination	Color : 0.5 Lux at F1.9 , Mono : 0 Lux (IR On)				Color : 0.3 Lux at F1.6 , Mono : 0 Lux (IR On)			
	Ambient Operation Temperature	- 10°C ~ + 50°C (14°F ~ 122°F)							
	Operating Humidity	0% ~ 90%							
	Infrared LED — Peak Wavelength	850nm							
	Infrared LED — Beam Spread	30°							
	Infrared LED — Radiant Distance	16M							
	Dimensions	142 mm (H) x 135 mm (D)							
	Weight	1000g							
Pan & Tilt	Panning Range	360°Endless							
	Panning Mode	Manual , Auto , Manual Position , Sequential Position							
	Panning Speed	Manual Approx. 0.5°/s ~ 90°/s 8 Steps, Preset Approx. 1°/s ~ 120°/s							
	Tilting Range	0° ~ 90°							
	Tilting Mode	Manual , Auto , Manual Position , Sequential Position							
	Tilting Speed	Manual Approx. 0.5°/s ~ 90°/s 8 Steps, Preset Approx. 1°/s ~ 120°/s							
Lens	Zoom Ratio	2.6X Optical Zoom				12X Optical Zoom			
	Focal Length	2.8 mm ~ 7.3 mm				3.8 mm ~ 45.6 mm			
	Maximum Aperture Ratio	1 : 1.9 (Wide) ~ 3.1 (Tele)				1 : 1.6 (Wide) ~ 2.7 (Tele)			
	Minimum Object Distance	0.6 m (Tele)				1 m (Tele)			
	Iris Range	F/1.9 ~ F/200				F/1.6 ~ F/360			
	Angle Field of View	Wide : 92.2°(D) 73.4°(H) 54.7°(V) / Tele : 35.8°(D) 28.7°(H) 21.6°(V)				Wide : 65.4°(D) 52.8°(H) 39.7°(V) / Tele : 5.54°(D) 4.49°(H) 3.40°(V)			
Main Function	Control Interface	RS-485 Half-Duplex							
	Control Function	Pan and Tilt and Zoom / Iris / 128 Preset Position / Home Position				Pan and Tilt / Zoom and Focus / Iris and ICR / 128 Preset Position / Home Position			
	Character Display	On / Off (Preset ID : 16 Alphanumeric Characters , Zoom Ratio , Date / Time , Pan / Tilt Angle)							
	Zoom Speed	1 ~ 8 Selectable [8 : Approx. 3.0 Second (Tele to Wide) in Manual Mode]				1 ~ 15 Selectable [15 : Approx. 6.0 Second (Tele to Wide) in Manual Mode]			
	Focus Speed	None				1 ~ 15 Selectable [15 : Approx. 3.0 Second (Far to Near) in Manual Mode]			
	Focus	Pan-focus Zoom				Auto / One Push			
	Iris	ALC (Adjustable Output Target Level)							
	Day & Night	Day (Color) / Night (Mono) / Auto / Schedule							
	Password Lock	Camera Advance / Presets / Privacy Zones / Factory Initial							
	Electronic Shutter Speed	Auto / Manual Selectable (1/60 ~ 1/100,000 sec)		Auto / Manual Selectable (1/50 ~ 1/100,000 sec)		Auto / Manual Selectable (1/60 ~ 1/100,000 sec)		Auto / Manual Selectable (1/50 ~ 1/100,000 sec)	
	Back Light Compensation	On / Off Selectable							
	White Balance	ATW / MWB Selectable							
	Auto Gain Control	0 ~ 36 dB Selectable							
	Auto Mode	OFF / AUTO / SEQ / TOUR							
	Privacy Zone	On / Off Selectable (Up to 4 Zones Settings)							
	Image Mirror	On / Off Selectable							
	Protocol Support	Multi-Protocol							
	Schedule Setting	Day & Night / Auto Mode / Daylight Saving Time							

LILIN

SP 303 / 312

2.6X / 12X D/N Super High-Resolution Fast Dome Camera Series

Features

- 2.6X Optical Zoom Lens (2.8 ~ 7.3 mm) / 12X Optical Zoom Lens (3.8 ~ 45.6 mm)
- Privacy Masking Zone Function
- Higher Horizontal Resolution of 540 TV Line
- Auto Focus Lens
- Horizontal Flip Function
- Auto Panning Function with Auto Scan or Seq. or Tours
- 360° Endless Panning
- Multi-Protocol
- 8 Languages (English / French / German / Spanish / Chinese / Portuguese / Russian / Polish)

Dimensions 164 mm (H) x 135 mm (D)

(Unit:mm)

135
164
R58.3
132
⌀135

| 2.6X O/Z Lens | 12X O/Z Lens | 540TVL | Privacy Zone | OSD | D&N | AGC | AWB |
| BLC | 50dB |

Indoor Fast Dome Camera

2.6X / 12X Day & Night Super High-Resolution Fast Dome Camera Series

Name		Model	SP3034N	SP3038N	SP3034P	SP3038P	SP3124N	SP3128N	SP3124P	SP3128P
General		System	NTSC		PAL		NTSC		PAL	
		Power Supply	AC 24V ±10%	AC 100V ~ 240V	AC 24V ±10%	AC 100V ~ 240V	AC 24V ±10%	AC 100V ~ 240V	AC 24V ±10%	AC 100V ~ 240V
		Power Consumption	8.5 W							
		Image Pick-up Device	Sony 1/4" Super HAD CCD							
		Effective Pixels	768 (H) x 494 (V)		752 (H) x 582 (V)		768 (H) x 494 (V)		752 (H) x 582 (V)	
		Scanning System	2:1 Interlace							
		Scanning Frequency	15.734 KHz (H) , 59.94 Hz (V)		15.625 KHz (H) , 50 Hz (V)		15.734 KHz (H) , 59.94 Hz (V)		15.625 KHz (H) , 50 Hz (V)	
		Synchronization	Internal							
		Video Output	CVBS 1.0 Vp-p / 75 ΩBNC							
		Horizontal Resolution	Color : 540 TV Lines , Mono : 600 TV Lines							
		Signal to Noise Ratio	More Than 50 dB (AGC : Off)							
		Minimum Illumination	Color : 0.5 Lux at F1.9 , Mono : 0.1 Lux at F1.9				Color : 0.3 Lux at F1.6 , Mono : 0.06 Lux at F1.6			
		Ambient Operation Temperature	- 10°C ~ + 50°C (14°F ~ 122°F)							
		Operating Humidity	0% ~ 90%							
		Dimension	164 mm (H) x 135 mm (D)							
		Weight	1050g							
Pan & Tilt		Panning Range	360°Endless							
		Panning Mode	Manual , Auto , Manual Position , Sequential Position							
		Panning Speed	Manual Approx. 0.5°/s ~ 90°/s 8 Steps, Preset Approx. 1°/s ~ 120°/s							
		Tilting Range	0°~ 90°							
		Tilting Mode	Manual , Auto , Manual Position , Sequential Position							
		Tilting Speed	Manual Approx. 0.5°/s ~ 90°/s 8 Steps, Preset Approx. 1°/s ~ 120°/s							
Lens		Zoom Ratio	2.6X Optical Zoom				12X Optical Zoom			
		Focal Length	2.8 mm ~ 7.3 mm				3.8 mm ~ 45.6 mm			
		Maximum Aperture Ratio	1 : 1.9 (Wide) ~ 3.1 (Tele)				1 : 1.6 (Wide) ~ 2.7 (Tele)			
		Minimum Object Distance	0.6 m (Tele)				1 m (Tele)			
		Iris Range	F/1.9 ~ F/200				F/1.6 ~ F/360			
		Angle Field of View	Wide : 92.2°(D) 73.4°(H) 54.7°(V) / Tele : 35.8°(D) 28.7°(H) 21.6°(V)				Wide : 65.4°(D) 52.8°(H) 39.7°(V) / Tele : 5.54°(D) 4.49°(H) 3.40°(V)			
Main Function		Control Interface	RS-485 Half-Duplex							
		Control Function	Pan and Tilt and Zoom / Iris / 128 Preset Position / Home Position				Pan and Tilt / Zoom and Focus / Iris and ICR / 128 Preset Position / Home Position			
		Character Display	On / Off (Preset ID : 16 Alphanumeric Characters , Zoom Ratio , Date / Time , Pan / Tilt Angle)							
		Zoom Speed	1 ~ 8 Selectable [8 : Approx. 3.0 Second (Tele to Wide) in Manual Mode]				1 ~ 15 Selectable [15 : Approx. 6.0 Second (Tele to Wide) in Manual Mode]			
		Focus Speed	None				1 ~ 15 Selectable [15 : Approx. 3.0 Second (Far to Near) in Manual Mode]			
		Focus	Pan-focus Zoom				Auto / One Push			
		Iris	ALC (Adjustable Output Target Level)							
		Day & Night	Day (Color) / Night (Mono) / Auto / Schedule							
		Password Lock	Camera Advance / Presets / Privacy Zones / Factory Initial							
		Electronic Shutter Speed	Auto / Manual Selectable (1/60 ~ 1/100,000 sec)		Auto / Manual Selectable (1/50 ~ 1/100,000 sec)		Auto / Manual Selectable (1/60 ~ 1/100,000 sec)		Auto / Manual Selectable (1/50 ~ 1/100,000 sec)	
		Back Light Compensation	On / Off Selectable							
		White Balance	ATW / MWB Selectable							
		Auto Gain Control	0 ~ 36 dB Selectable							
		Auto Mode	OFF / AUTO / SEQ / TOUR							
		Privacy Zone	On / Off Selectable (Up to 4 Zones Settings)							
		Image Mirror	On / Off Selectable							
		Schedule Setting	Day & Night / Auto Mode / Daylight Saving Time							

LILIN

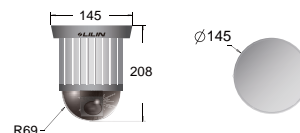# PIH 7625 / 7625T / 7625D / 7625DW

25X D/N Fast Dome Camera Series

Features

- 25X Optical Zoom Lens (3.8 ~ 95.0mm)
- Automatic / Manual Iris Control
- 360° Continuous Rotation
- Up to 128 Programmable Preset Positions
- Preset Positions Auto Scanning
- Two Types of Alarm Response Mode: Lock Mode, Release Mode
- RS-485 Control Interface
- Up to 64 Fast Dome Configuration
- Wide Dynamic Range (PIH-7625DW)
- Auto Tracking (PIH-7625T)
- Digital Zoom (PIH-7625D)
- 2 Languages (English / Chinese)

Dimensions 208 mm (H) x 145 mm (D)

(Unit:mm)

145
208
⌀145
R69

| 25X O/Z Lens | 480TVL | WDR | Flickerless | IR Cut Filter | Privacy Zone | D&N |
| OSD | AWB | BLC | 50dB | AGC |

Indoor Fast Dome Camera				
Name		**25X Day & Night Fast Dome Camera Series**		
Model	Standard model	PIH-7625NL	PIH-7625NF	-	-
	Digital Zoom model	PIH-7625DNL	PIH-7625DNF	-	-
	WDR Model	PIH-7625DWNL	PIH-7625DWNF	PIH7625DWPL	PIH7625DWPF
	Tracking Model	PIH-7625TNL	PIH-7625TNF	-	-
General	System	NTSC		PAL	
	Power Supply	L type: AC 24V ±10% / F type: AC 100~240V			
	Power Consumption	Standard / Digital Zoom / WDR model 13W ; Tracking model 15W			
	Image Pick-up Device	Sony 1/4" EXview HAD CCD			
	Effective Pixels Scanning System	768 (H) x 494 (V)		752 (H) x 582 (V)	
		2:1 Interlace			
	Scanning Frequency	15.734 KHz (H) , 59.94 Hz (V)		15.625 KHz (H) , 50 Hz (V)	
	Synchronization	Internal			
	Video Output	CVBS 1.0 Vp-p / 75ΩBNC			
	Horizontal Resolution	Color : 480 TV Lines Mono: 520 TV Lines			
	Signal to Noise Ratio	More Than 50 dB (AGC : Off)			
	Minimum Illumination	Color : 0.1 Lux at F1.6 Mono: 0.01 Lux at F1.6			
	Ambient Operation Temperature	- 10°C ~ + 50°C (14°F ~ 122°F)			
	Operating Humidity	0% ~ 90%			
	Dimensions	208 mm (H) x 145 mm (D)			
	Weight	Standard / Digital Zoom / WDR model 2500g ; Tracking model 2600g			
Pan & Tilt	Panning Range	360°Endless			
	Pan / Tilt Accuracy	0.25°			
	Panning Speed	Manual Approx. 1°/s ~ 180°/s , Preset Approx. 1°/s ~ 255°/s			
	Tilting Range	5°~ + 95°			
	Preset Dwell Time	1 ~ 255 Sec			
	Tilting Speed	Manual Approx. 1°/s ~ 180°/s , Preset Approx. 1°/s ~ 255°/s			
Lens	Zoom Ratio	25X Optical Zoom			
	Focal Length	3.8 mm ~ 95 mm			
	Aperture(F)	F1.6 ~ F3.7			
	Angle Field of View	Wide : 62.1°(D) 51.9°(H) 39.2°(V) / Tele : 2.7°(D) 2.2°(H) 1.6°(V)			
Main Function	Control Interface	RS-485 Transmission			
	Address Setting	64 programmable ID			
	Iris Control	Auto / Manual (Fast or Medium Speed)			
	White Balance	Auto Correction / Auto Tracking / Indoor or Outdoor			
	Back Light Compensation	On / Off Selectable			
	Operation Setting	OSD			
	Flickerless	On / Off Selectable			
	Auto Gain Control	8 dB (Low), 22 dB (Medium), 36 dB (High)			
	Preset Position	128 preset positions			
	Preset Group	4 Groups (Corresponding with first 16 presets)			
	Alarm Input / Output	6 Inputs (expandable to 64)			
	Return Mode	Off / Home/ Seg.			
Main Function II	Model	PIH-7625DNL	PIH-7625DWNL	PIH-7625DPL	PIH7625DWPL
		PIH-7625DNF	PIH-7625DWNF	PIH-7625DPF	PIH7625DWPF
	System	NTSC		PAL	
	Wide Dynamic Range	NA	400:1	NA	400:1
	Digital Zoom	256X	2.56X	256X	2.56X
	Electronic Shutter	1/60 ~ 1/100000 (1/Sec)		1/50 ~ 1/100000 (1/Sec)	
	Slow Speed Shutter	0, 2 ~ 20, 40, 80, 160, 320, 510 (FLD)			
	Video Focus	Auto / One Shot / Manual, 0.07m (Wide) ~ 1m (Tele)			
	Dynamic Privacy Masking	On / Off, Up to 8 Privacy Zone			
	Negative- Positive	Y-Inverse (On / Off) C-Inverse (On / Off)			
	Image Memory Function	Left/Right Reverse, Top / Bottom Reverse, 180° Image Rotation, Field Image Capture			
	Home Position	Preset 1			

Design and specifications are subject to change without notice.

LILIN

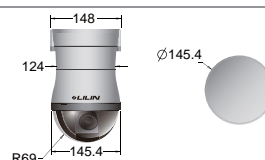# PIH 7625DH / 7630DH / 7635DH
ST 125 / 130 / 135

**25X / 30X / 35X High Resolution D/N
Fast Dome Camera Series**

Features

- 25X Optical Zoom Lens (3.43 ~ 85.7 mm) /
  30X Optical Zoom Lens (3.43 ~ 102.9 mm) /
  35X Optical Zoom Lens (3.43 ~ 120 mm)
- 520 Horizontal TV Lines
- Automatic / Manual Iris Control
- Preset ID / Name
- Preset Background Environment File
- Private Mask
- Up to 128 Programmable Preset Positions
- RS-485 Control Interface
- Up to 256 Fast Dome Configuration
- 8 Languages (English / French / German / Spanish / Chinese / Portuguese / Russian / Polish)

Dimensions 238 mm (H) x 145 mm (D)

(Unit:mm)

148
124
Ø145.4
145.4
R69

Fast Dome Camera						
Name	25X / 30X / 35X High Resolution Day & Night Fast Dome Camera Series					
Model — Standard Model	PIH-7625DHNL/F	PIH-7630DHNL/F	PIH-7635DHNL/F	PIH-7625DHPL/F	PIH-7630DHPL/F	PIH-7635DHPL/F
Model — Tracking Model	ST1254N/1258N	ST1304N/1308N	ST1354N/1358N	ST1254P/1258P	ST1304P/1308P	ST1354P/1358P

General

System	NTSC	PAL
Power Supply	PIH-7625/30/35 L type and ST1254/1304/1354: AC 24V±10% / PIH-7625/30/35 F type and ST1258/1308/1358: AC 100~240V	
Power Consumption	Standard model 13 W / Tracking model 15W	
Image Pick-up Device	Sony 1/4" EXview HAD CCD	
Effective Pixels	768 (H) x 494 (V)	752 (H) x 582 (V)
Scanning System	2:1 Interlace	
Scanning Frequency	15.734 KHz (H) , 59.94 Hz (V)	15.625 KHz (H) , 50 Hz (V)
Synchronization	Internal / Line Lock Selectable	
Video Output	CVBS 1.0 Vp-p / 75 ΩBNC	
Horizontal Resolution	Color : 520 TV Lines Mono: 580 TV Lines	
Signal to Noise Ratio	More Than 50 dB (AGC : Off)	
Minimum Illumination	Color : 0.1 Lux at F1.6 Mono: 0.01 Lux at F1.6	
Ambient Operation Temperature	-10°C~ + 50°C (14°F ~ 122°F)	
Operating Humidity	0% ~ 90%	
Dimension	238 mm (H) x 145 mm (D)	
Weight	2300g	

Pan & Tilt

Panning Range	360°Endless
Panning Mode	Manual , Auto , Manual Position , Sequential Position
Panning Speed	Manual Approx. 0.15°/s ~ 120°/s 8 Steps, Preset Approx. 1°/s ~ 255°/s, Alarm Trigger Speed 360°/s
Tilting Range	-6°~ +96°
Tilting Mode	Manual , Auto , Manual Position , Sequential Position
Tilting Speed	Manual Approx. 0.15°/s ~ 120°/s 8 Steps, Preset Approx. 1°/s ~ 255°/s, Alarm Trigger Speed 360°/s

Main Function

Control Interface	RS-485 Transmission					
Control Function	Pan and Tilt / Zoom and Focus / Iris and ICR / 128 Preset Position / Home Position / Patrol					
Character Display	On / Off (Preset ID : 16 Alphanumeric Characters , Alarm Message , Zoom Ratio , Date / Time , Pan / Tilt Angle)					
Zoom Speed	0 ~ 7 Selectable [7 : Approx. 3.0 Second (Tele to Wide) in Manual Mode]	0 ~ 7 Selectable [7 : Approx. 3.5 Second (Tele to Wide) in Manual Mode]	0 ~ 7 Selectable [7 : Approx. 4.0 Second (Tele to Wide) in Manual Mode]	0 ~ 7 Selectable [7 : Approx. 3.0 Second (Tele to Wide) in Manual Mode]	0 ~ 7 Selectable [7 : Approx. 3.5 Second (Tele to Wide) in Manual Mode]	0 ~ 7 Selectable [7 : Approx. 4.0 Second (Tele to Wide) in Manual Mode]
Focus Speed	Slow / Mid. / Fast Selectable [Fast : Approx. 2.0 Second (Far to Near) in Manual Mode]					
Auto Focus	Auto / One Push					
Iris	ALC (Adjustable Output Target Level) / Manual					
IR Cut Filter	Yes					
Password Lock	Function Setup					
Electronic Shutter Speed	Auto / Manual Selectable (1/60 ~ 1/100,000 sec)			Auto / Manual Selectable (1/50 ~ 1/100,000 sec)		
Back Light Compensation	On / Off Selectable					
White Balance	ATW / PUSH / MWB Selectable					
Auto Gain Control	0 ~ 36 dB Selectable					
Auto Mode	OFF / AUTO / SEQ / TOUR / PATROL (STOP / PLAY / LEARN)					
Privacy Zone	On / Off Selectable (Up to 8 Zones Settings)					
Image Mirror	On / Off Selectable					
Image Negative	On / Off Selectable					
Alarm Input / Output	6 Input [Alarm In 1 ~ 6 (NC / NO)] , 1 Output (Alarm Out NC / NO)					
Schedule Setting	Alarm Input / Auto Mode / Daylight Saving Time					

| 25X Lens		
Zoom Ratio	25X Optical Zoom
Focal Length	3.43 mm ~ 85.7 mm
Maximum Aperture Ratio	1 : 1.6 (Wide) ~ 3.7 (Tele)
Minimum Object Distance	1.5 m (Tele)
Iris Range	F1.6 ~ 360, Close
Angle Field of View	Wide : 68.6°(D) 57.8°(H) 43.7°(V) / Tele : 3.12°(D) 2.53°(H) 1.83°(V)

30X Lens		
Zoom Ratio	30X Optical Zoom
Focal Length	3.43 mm ~ 102.9 mm
Maximum Aperture Ratio	1 : 1.6 (Wide) ~ 4.1 (Tele)
Minimum Object Distance	1.5 m (Tele)
Iris Range	F1.6 ~ 360 , Close
Angle Field of View	Wide : 68.6°(D) 57.8°(H) 43.7°(V) / Tele : 2.60°(D) 2.10°(H) 1.53°(V)

35X Lens		
Zoom Ratio	35X Optical Zoom
Focal Length	3.43 mm ~ 120 mm
Maximum Aperture Ratio	1 : 1.6 (Wide) ~ 4.5 (Tele)
Minimum Object Distance	1.5 m (Tele)
Iris Range	F1.6 ~ 360 , Close
Angle Field of View	Wide : 68.6°(D) 57.8°(H) 43.7°(V) / Tele : 2.23°(D) 1.70°(H) 1.30°(V)

LILIN

PIH 7525DH / 7530DH / 7535DH
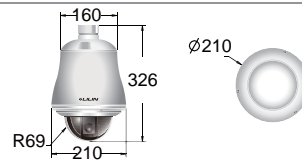# ST 025 / 030 / 035

Fast dome Series
Outdoor

25X / 30X / 35X Outdoor High Resolution D/N Fast Dome Camera Series
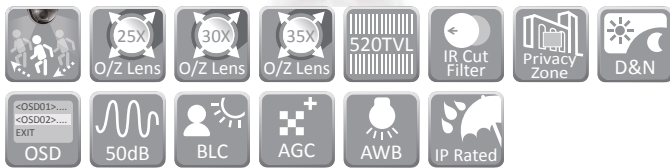
Features

- 25X Optical Zoom Lens (3.43 ~ 85.7 mm) / 30X Optical Zoom Lens (3.43 ~ 102.9 mm) / 35X Optical Zoom Lens (3.43 ~ 120 mm)
- 520 Horizontal TV Lines
- Automatic / Manual Iris Control
- Preset ID / Name
- Preset Background Environment File
- Private Mask
- Up to 128 Programmable Preset Positions
- RS - 485 Control Interface
- Up to 256 Fast Dome Configuration
- Auto Tracking (ST025 / 030 / 035)
- 8 Languages (English / French / German / Spanish / Chinese / Portuguese / Russian / Polish)

Dimensions 326 mm (H) x 210 mm (D)

(Unit:mm)

160
326
Ø210
R69
210

| 25X | 30X | 35X | 520TVL | IR Cut Filter | Privacy Zone | D&N |
| O/Z Lens | O/Z Lens | O/Z Lens | | | | |

| OSD | 50dB | BLC | AGC | AWB | IP Rated |

Outdoor Fast Dome Camera

Name		25X / 30X / 35X Outdoor High Resolution Day & Night Fast Dome Camera Series					
Model	Standard Model	PIH-7525DHNL/F	PIH-7530DHNL/F	PIH-7535DHNL/F	PIH-7525DHPL/F	PIH-7530DHPL/F	PIH-7535DHPL/F
	Tracking Model	ST0254N/0258N	ST0304N/0308N	ST0354N/0358N	ST0254P/0258P	ST0304P/0308P	ST0354P/0358P
General	System	NTSC			PAL		
	Power Supply	PIH-7525/30/35 L type and ST0254/0304/0354: AC 24V±10% / PIH-7525/30/35 F type and ST0258/0308/0358: AC 100~240V					
	Power Consumption	Standard model 22 W (Heater : ON) / Tracking model 24 W (Heater : ON)					
	Image Pick-up Device	Sony 1/4" EXview HAD CCD					
	Effective Pixels	768 (H) x 494 (V)			752 (H) x 582 (V)		
	Scanning System	2:1 Interlace					
	Scanning Frequency	15.734 KHz (H) , 59.94 Hz (V)			15.625 KHz (H) , 50 Hz (V)		
	Synchronization	Internal / Line Lock Selectable					
	Video Output	CVBS 1.0 Vp-p / 75 Ω BNC					
	Horizontal Resolution	Color : 520 TV Lines Mono: 580 TV Lines					
	Signal to Noise Ratio	More Than 50 dB (AGC : Off)					
	Minimum Illumination	Color : 0.1 Lux at F1.6 Mono: 0.01 Lux at F1.6					
	IP Rating	IP 66					
	Ambient Operation Temperature	- 10°C ~ + 50°C (14°F ~ 122°F)					
	Operating Humidity	0% ~ 90%					
	Dimensions	326 mm (H) x 210 mm (D)					
	Weight	3200 g					
	Heater Activation	On: 15 , Off: 25					
	Fan Activation	On: 35 , Off: 25					
Pan & Tilt	Panning Range	360°Endless					
	Panning Mode	Manual , Auto , Manual Position , Sequential Position					
	Panning Speed	Manual Approx. 0.15°/s ~ 120°/s 8 Steps, 16 Steps / Preset Approx. 1°/s ~ 255°/s, Alarm Trigger Speed 360°/s					
	Tilting Range	- 6° ~ + 96°					
	Tilting Mode	Manual , Auto , Manual Position , Sequential Position					
	Tilting Speed	Manual Approx. 0.15°/s ~ 120°/s 8 Steps, 16 Steps / Preset Approx. 1°/s ~ 255°/s, Alarm Trigger Speed 360°/s					
Main Function	Control Interface	RS-485 Transmission					
	Control Function	Pan and Tilt / Zoom and Focus / Iris and ICR / 128 Preset Position / Home Position / Patrol					
	Character Display	On / Off (Preset ID : 16 Alphanumeric Characters , Zoom Ratio , Alarm Message , Date / Time , Pan / Tilt Angle)					
	Zoom Speed	0 ~ 7 Selectable [7 : Approx. 3.0 Second (Tele to Wide) in Manual Mode]	0 ~ 7 Selectable [7 : Approx. 3.5 Second (Tele to Wide) in Manual Mode]	0 ~ 7 Selectable [7 : Approx. 4.0 Second (Tele to Wide) in Manual Mode]	0 ~ 7 Selectable [7 : Approx. 3.0 Second (Tele to Wide) in Manual Mode]	0 ~ 7 Selectable [7 : Approx. 3.5 Second (Tele to Wide) in Manual Mode]	0 ~ 7 Selectable [7 : Approx. 4.0 Second (Tele to Wide) in Manual Mode]
	Focus Speed	Slow / Mid. / Fast Selectable [Fast : Approx. 2.0 Second (Far to Near) in Manual Mode]					
	Auto Focus	Auto / One Push					
	Iris	ALC (Adjustable Output Target Level) / Manual					
	IR Cut filter	Yes					
	Password Lock	Function Setup					
	Electronic Shutter Speed	Auto / Manual Selectable (1/60 ~ 1/100,000 sec)			Auto / Manual Selectable (1/50 ~ 1/100,000 sec)		
	Back Light Compensation	On / Off Selectable					
	White Balance	ATW / PUSH / MWB Selectable					
	Auto Gain Control	0 ~ 36 dB Selectable					
	Auto Mode	OFF / AUTO / SEQ / TOUR / PATROL (STOP / PLAY / LEARN)					
	Privacy Zone	On / Off Selectable (Up to 8 Zones Settings)					
	Image Mirror	On / Off Selectable					
	Image Negative	On / Off Selectable					
	Alarm Input / Output	6 Input [Alarm In 1 ~ 6 (NC / NO)] , 1 Output (Alarm Out NC / NO)					
	Schedule Setting	Alarm Input / Auto Mode / Daylight Saving Time					

25X Lens	Zoom Ratio	25X Optical Zoom
	Focal Length	3.43 mm ~ 85.7 mm
	Maximum Aperture Ratio	1 : 1.6 (Wide) ~ 3.7 (Tele)
	Minimum Object Distance	1.5 m (Tele)
	Iris Range	F1.6 ~ 360 , Close
	Angle Field of View	Wide : 68.6°(D) 57.8°(H) 43.7°(V) / Tele : 3.12°(D) 2.53°(H) 1.83°(V)
30X Lens	Zoom Ratio	30X Optical Zoom
	Focal Length	3.43 mm ~ 102.9 mm
	Maximum Aperture Ratio	1 : 1.6 (Wide) ~ 4.1 (Tele)
	Minimum Object Distance	1.5 m (Tele)
	Iris Range	F1.6 ~ 360 , Close
	Angle Field of View	Wide : 68.6°(D) 57.8°(H) 43.7°(V) / Tele : 2.60°(D) 2.10°(H) 1.53°(V)
35X Lens	Zoom Ratio	35X Optical Zoom
	Focal Length	3.43 mm ~ 120 mm
	Maximum Aperture Ratio	1 : 1.6 (Wide) ~ 4.5 (Tele)
	Minimum Object Distance	1.5 m (Tele)
	Iris Range	F1.6 ~ 360 , Close
	Angle Field of View	Wide : 68.6°(D) 57.8°(H) 43.7°(V) / Tele : 2.23°(D) 1.70°(H) 1.30°(V)

Design and specifications are subject to change without notice.

LILIN

DVR

Hybrid NDR Series

H.264 DVR Series

MPEG-4 DVR Series

Comparison Table

NDR	
Product picture	
NEW	NEW
Name	**Real time Full D1 pure Hybrid DVR**
Series Number	**NDR104**
Channel	Analog camera*4+IP cameras*4 or IP cameras*8
Compression Format	H.264
Internal HDD Support	1
Built-in DVD or CD/RW	NO (External DVD/ RW supported)
Recording Speed	NTSC: (D1) 120 FPS / PAL: (D1) 100 FPS
Audio	◐
HTML	◐
Free CMX Software	◐
Lower Power Consumption	◐
e-SATA	◐
HDMI	◐
VGA 1920*1080p	◐

DVR				
Product picture				
NEW	NEW	NEW	NEW	
Name	DVR Series			
Series Number	**DVR-316**	**DVR-308**	**DVR-304**	**PDR-6164**
Channel	Analog * 16	Analog * 8	Analog * 4	Analog * 16
Compression Format	H.264	H.264	H.264	MPEG4
Internal HDD Support	2	2	1	2
Built-in DVD or CD/RW	NO (External DVD/ RW supported)			◐ (Option)
Recording Speed	NTSC: D1 120 / CIF 480FPS PAL: D1 100 / CIF 400FPS	NTSC: D1 120 / CIF 240FPS PAL: D1 100 / CIF 200FPS	NTSC: D1 120 / CIF 120FPS PAL: D1 100 / CIF 100FPS	NTSC: (D1) 480 FPS PAL: (D1) 400 FPS
Audio	◐	◐	◐	◐
HTML	◐	◐	◐	◐
Free CMX Software	◐	◐	◐	◐
Lower Power Consumption	◐	◐	◐	-
VGA 1920*1080 i	◐	◐	◐	-

ICON

H.264

High Compression Rate H.264 Compression Technology, saves hard disk storage space.

MPEG-4

High Compression Rate MPEG-4 Compression Technology.

MJPEG

MJPEG Compression Technology.

20% - - - - - - - - - - - - - MJPEG

Hard disk storage space

MPEG-4

2% - - - -
1% - - - -   H.264

GUI

Image Setting Menu includes system setting, camera setting, recording setting, alarm setting, network setting and etc.

Drag-n-Drop

User can easily drag-and-drop the image of each channel and change its settings.

Web Browser (Internet)

User may use IE browser to control DVR functions access over network.

PIP

Picture-in-Picture

Audio

Network Audio / Voice and live monitoring.

Earphone

Camera

Loudspeaker   PC

ROI

ROI is support at 5X and 9X zoom with PIP for view.

Conventional   5X   9X

USB

Supports USB Flash Disk for file back-up.

Mouse

Mouse supported.

LILIN

DVR Series

Free CMX

Remote Device Manager	NVR Central	eMap Manager	Database Manager
▪ Remote alarm setup ▪ Remote device setup ▪ Remote device status	▪ H.264 AVC full D1/HD recording ▪ User access level ▪ Group monitoring ▪ Smart search ▪ PTZ control ▪ Audio monitoring	▪ eMap ▪ Live monitoring alarm triggering ▪ Alarm snapshots ▪ Device find ▪ PTZ control	▪ Event and alarm management ▪ Network status report ▪ Database maintainance ▪ Database import & export ▪ Reports

File Backup

▪ USB flash disk ▪ USB DVD/RW
▪ File for FTP / HTTP download
▪ Play H.264 / AVI / MPEG4 Files

USB DVD/RW   USB 2.0 connector   Play H.264 Files

3G Mobile Remote Surveillance

Supports mobile phone for remote monitoring

3G   DVR or NDR   LCD

Motion Detection Recording

Motion grid 44*36 each channel, 8 sensitivities

Recording
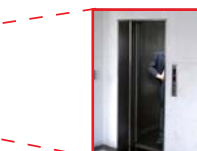
VGA

VGA outputs 1920x1080p (NDR 104)
VGA outputs 1920x1080i (DVR 304/308/316)

VGA   1920x1080p

NRF

Noise Reduction Filter Function

NRF OFF   NRF ON

Power Saving design

Setup the time you want , Saving power 20% Up

Normal   Backlight lower

FTP

Supports FTP to download image file

DVD / RW

Built-in DVD Burner

LILIN

NDR104

NEW

Real time Full D1 pure Hybrid NDR

Features

- Real-time Full D1 H.264 recording and playback.
- Pure hybrid, IP camera or analog camera configurable for each channel
- Analog camera*4+IP cameras*4 or IP cameras*8.
- ONVIF compliant protocol for IP cameras.
- HDMI compliant and VGA output at 1080p, built-in 3D intellectual motion adoptive refinement and vivid image enhancement engines.
- HTTP web-based interface including NDR configuration, PTZ control, playback, and live monitoring.
- NDRs cascaded are allowed for controlling via TCP/IP network for easy-cabling configuration.
- Master and slave NDRs design allows distributed quick accessing tables for pre-programmed IP cameras and NDRs.
- 3G mobile phone solutions provided
- Resolution, frame rate, and video quality configurable for each channel
- WS-Discovery for quick IP setup of IP cameras and NDRs.
- LCD monitor backlight power saving design.

Dimensions 434 mm x 364.3 x 52.8 mm

(Unit:mm)

434mm   52.8   364.3mm

| Hybrid | H.264 | VGA outputs 1920x1080p | ROI | PIP 01 02 | GUI CAMERA | Motion | FTP |
| File Backup | Power Saving | Mobile | Web viewer | Audio | DVD/RW | Mouse | USB |

Hybrid DVR	
Name	Real time Full D1 pure Hybrid
Model	NDR 104
Recording	Recording	SATA HDD: internal * 2 (A) / internal * 1 + external (eSATA) * 1

Recording		
Recording mode	Recording mode	External alarm / motion detection / schedule / manual / weighted recording
	Video source	Analog or IP camera * 4 + IP camera * 4 for recording
	Speed	PAL: Full D1 100 FPS/Sec at 720 * 576 NTSC: Full D1 120 FPS/Sec at 720 * 480
	Resolution	Full D1: 720 * 576 (PAL) 720*480 (NTSC) / CIF: 320 * 288 (PAL) 320 * 240 (NTSC)
	Schedule	7 day * 24 hrs time table, recording mode configurable
Backup	Backup	USB 2.0 flash disk / HTTP file download / Audio supported
	DVD/RW	External USB DVD/RW
Playback	Playback	H.264 AVC video
	Speed	FR: 2x, 4x, 6x / FF: 2x, 4x, 6x
	Compression	H.264 AVC and JPEG
Video Input	Video Input	Analog cameras and/or IP cameras
	Camera Name	12 characters
	Live video	PAL: 100 FPS/Sec NTSC: 120 FPS/Sec
Video Output	Video Output	BNC * 2
	VGA output	3D intellectual motion adoptive refinement with vivid image enhancement VGA engine
	HDMI	Up to 1920 * 1080p
	Backlight saving	LCD backlight saving mode
Multiplexer	Multiplexer	Sequence / digital zoom / freeze / PIP
	Digital zoom	ROI for 5X and 9X with PIP at live and playback mode
	Split screen	4, PIP
	Spot monitor	Live sequence or alarm switching
Matrix	Matrix	Control NDR and IP Fast Dome via TCP/IP by multiple keyboards
Management	Reports	Full alarm, configuration, and operation reports exporting over HTTP or USB
	Authentication	User authentication with feature configurable
	Diagnostic	NDR Internal temperature, fan failure detection, and HDD I/O speed
	Recording day	Dynamic recording day calculation
Alarm/event	Alarm/event	Alarm in * 4 and alarm out * 2 (NO/NC)
	Motion	Motion grid 44*36 each channel, 8 sensitivities
	Event	External alarm, video loss, stop recording, power recovering, motion detection, schedule, logon, HDD format
	Email	Alarm notification with JPEG attachments

Hybrid DVR		
Accessories	Accessories	Remote controller addressable up to 255 NDRs
	P/T/Z protocol	LILIN MLP2 and Pelco over HTTP/ONVIF/ RS-485
	Keyboards	PIH-931 keyboard for controlling NDR/IP cameras over network
	IR receiver	Extra IR extension connector, up to 200 m
	Mouse	USB / PS-2, drag-n-drop, right-mouse-click, mouse wheel.
	Audio	G.711 audio, RCA * 1 output (0.7Vp-p, 300 Hz to 3KHz)
	Remote control	Yes
Network	ONVIF	Direct Internet browser access / multiple users access Support ONVIF compliant IP cameras
	Protocols	ARP / TCP/IP / UDP / HTTP / SMTP / FTP / DDNS / PPPoE / DynDNS / ONVIF compliant / NTP
	Web	Live / event log & time search playback / AVI / snapshot
	DVR status	HTML DVR status
	IPScan	WS-Discovery and IPScan supported, easy-to-setup for IP address
Software	BackupManager	Multiple NDRs FTP file download and multi-channel playback
	Mobile phone	iPhone, BlackBerry, Java J2ME phone, and Windows Mobile
Others	WDT	Hardware watchdog timer
	DST	Daylight saving time
	Multilanguage	English, Chinese, Spanish, Danish, Swiss, Norwegian, Arabic, Japanese, Germany,French, Polish, Portuguese, Vietnam, Italian
	CPU/OS	32-bit RISC Processor, ARM926 SoC 336 MHz, Linux 2.6 kernel
Power	Power	DC 12V, 4.2A, 48W
	Working Env.	Temp: 0°C ~ +50°C / Humidity: 0%~80%
	Dimension	434 mm x 364.3 * 52.8 mm (rackmountable)
	Weight	5.2 Kg w/o HDD

LILIN

Hybrid DVR

Hybrid DVR < NDR 104 >

Saving Wiring Cost , Easy To Setup

<Analog System>

<IP System>

Fast dome

Switching Power

IP Fast dome

PoE Hub

DVR

NDR

NDR

RJ-45
BNC
RS-485
Digital I/O

Keyboard

Keyboard

Expandable System

<Analog Camera>

<IP Camera>

Camera

Fast dome

Camera

VS012

Internet

PoE Hub

Existing Analog System

NDR

IP System

RJ-45
BNC

Master And Slave Ndrs Database Design Ip Camera And Ndr Data Sheet Can Auto Download Or Upload	WS-Discovery function < Ws-Discovery For Quick IP Setup Of IP Cameras And Ndrs >

IP Camera & NDR quick accessing table

NDR

Auto upload

Auto upload

NDR   NDR   NDR

WS-Discovery

search

Install new NDR

#1 192.168.0.1
#2 192.168.0.2
#3 192.168.0.3

NDR

Support 8 Cameras For Setting , Saving Installation and Maintenance Cost

Fast dome

Camera

NDR

Keyboard

NDR

Keyboard

PoE Hub

Keyboard

PoE Hub

IP Fast dome

IP Camera

IP Fast dome

IP Camera

IP Camera

IP Camera

RJ-45
BNC
RS-485

< 4 Analog / IP Cameras + 4 IP Cameras >

< 8 IP Cameras >
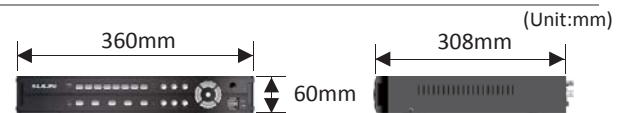
NEW

DVR316

H.264 Real-time Full D1

Features

- H.264 real-time Full D1 live ,D1 120 FPS recording and playback .
- VGA outputs at 1920 * 1080i, built-in 3D intellectual motion adoptive refinement and vivid image enhancement engines.
- HTTP web-based interface including DVR configuration, PTZ control, playback, and live monitoring.
- Concurrent multiple channel playback for 16-channel.
- 3G mobile phone solutions provided.
- Resolution, frame rate, and video quality configurable for each channel.
- LCD Power saving design.
- Support Free CMX

Dimensions 360(W) x 308(D) x 60(H)mm

(Unit:mm)

360mm — 60mm

308mm

Icons: Camera x 16 | H.264 | 1920x1080i VGA outputs | ROI | PIP 01 02 | CAMERA GUI | Motion | FTP | File Backup | Power Saving | Mobile | Web viewer | Audio | Mouse | USB | CMX Free

DVR		
Name		H.264 Real -time Full D1
Model		DVR316
Recording		SATA HDD: internal * 2
Recording	Recording mode	External alarm / motion detection / schedule / manual
	Video source	Analog * 16
	Resolution	Full D1: 720 * 576 (PAL) 720*480 (NTSC) / CIF: 320 * 288 (PAL) 320 * 240 (NTSC)
	Recording NTSC	D1 120 / CIF 480 FPS
	Recording PAL	D1 100 / CIF 400 FPS
	Schedule	7 day * 24 hrs time table, recording mode configurable
Backup	Backup	USB 2.0 flash disk / HTTP file download / Audio supported
	DVD/RW	External USB DVD/RW
Playback	Playback	H.264 AVC video
	Speed	FR: 2x, 4x, 6x / FF: 2x, 4x, 6x
	Compression	H.264 AVC and JPEG
Video	Video Input	Analog cameras
	Camera Name	12 characters
	Live video	PAL: 400 FPS / NTSC: 480 FPS
	Video Output	BNC * 1 + Spot monitor
	VGA output	3D intellectual motion adoptive refinement with vivid image enhancement VGA engine up to 1920 * 1080i
	Backlight saving	LCD backlight saving mode
Multiplexer	Multiplexer	Sequence / digital zoom / freeze
	Digital zoom	-
	Split screen	4, 9, 16
	Spot monitor	Yes
Matrix		Control DVR and IP Fast Dome via TCP/IP by multiple keyboards
Management	Reports	Full alarm, configuration, and operation reports exporting over HTTP or USB
	Authentication	User authentication with feature configurable
	Recording day	Dynamic recording day calculation
Alarm/event	Alarm/event	DI * 8 and DO* 2 (NO/NC)
	Motion	Motion grid 44*36 each channel, 8 sensitivities
	Event	External alarm, video loss, stop recording, power recovering, motion detection, schedule, logon, HDD format
	Email	Alarm notification with JPEG attachments

DVR		
Accessories	Accessories	Remote controller addressable up to 255 DVRs
	P/T/Z protocol	LILIN MLP2 and Pelco RS-485
	Keyboards	PIH-931 keyboard
	IR receiver	Extra IR extension connector, up to 200 m
	Mouse(Optional)	USB / PS-2, drag-n-drop, right-mouse-click, mouse wheel.
	Audio	G.711 audio, 0.7Vp-p, 300 Hz to 3KHz
	Audio In/out	RCA 4 in , 1 output
	Remote control	Yes
Network	Network	Direct Internet browser access / multiple users access
	Protocols	ARP / TCP/IP / UDP / HTTP / SMTP / FTP / DDNS / PPPoE / DynDNS / NTP
	Web	Live / event log & time search playback / AVI / snapshot
	DVR status	HTML DVR status
	IPScan	IPScan supported, easy-to-setup for IP address
Software	BackupManager	Multiple DVRs FTP file download and multi-channel playback
	Mobile phone	iPhone, and Android mobile phone supported
Others	WDT	Hardware watchdog timer
	DST	Daylight saving time
	Multilanguage	English, Chinese, Spanish, Danish, Swiss, Norwegian, Arabic, Japanese, German, French, Polish, Portuguese, Simplified Chinese, Vietnamese, Italian
	CPU/OS	32-bit RISC Processor, ARM926 SoC 336 MHz, Linux 2.6 kernel
Power	Power	DC 12V, 5.0A, 60W
	Working Env.	Temp: 0°C ~ +50°C / Humidity: 0%~80%
	Dimension	360mm * 60mm * 308mm
	Weight	3.0 Kg

LILIN

DVR308

NEW

H.264 Real-time Full D1

Features

- H.264 real-time Full D1 live ,D1 120 FPS recording and playback .
- VGA outputs at 1920 * 1080i, built-in 3D intellectual motion adoptive refinement and vivid image enhancement engines.
- HTTP web-based interface including DVR configuration, PTZ control, playback, and live monitoring.
- Concurrent multiple channel playback for 8-channel.
- 3G mobile phone solutions provided.
- Resolution, frame rate, and video quality configurable for each channel.
- LCD Power saving design.
- Support Free CMX

| Camera x 8 | H.264 | 1920x1080i VGA outputs | ROI | PIP 01 02 | CAMERA GUI | Motion | FTP |
| File Backup | Power Saving | Mobile | Web viewer | Audio | Mouse | USB | CMX Free |

Dimensions 360(W)x 308(D)x 60(H)mm

(Unit:mm)

360mm   308mm   60mm

DVR	
Name	H.264 Real -time Full D1
Model	DVR308
Recording	SATA HDD: internal * 2

Recording	Recording mode	External alarm / motion detection / schedule / manual
	Video source	Analog * 8
	Resolution	Full D1: 720 * 576 (PAL) 720*480 (NTSC) / CIF: 320 * 288 (PAL) 320 * 240 (NTSC)
	Recording NTSC	D1 120 / CIF 240 FPS
	Recording PAL	D1 100 / CIF 200 FPS
	Schedule	7 day * 24 hrs time table, recording mode configurable

Backup	Backup	USB 2.0 flash disk / HTTP file download / Audio supported
	DVD/RW	External USB DVD/RW

Playback	Playback	H.264 AVC video
	Speed	FR: 2x, 4x, 6x / FF: 2x, 4x, 6x
	Compression	H.264 AVC and JPEG

Video	Video Input	Analog cameras
	Camera Name	12 characters
	Live video	PAL: 200 FPS / NTSC: 240 FPS
	Video Output	BNC * 1 + Spot monitor
	VGA output	3D intellectual motion adoptive refinement with vivid image enhancement VGA engine up to 1920 * 1080i
	Backlight saving	LCD backlight saving mode

Multiplexer	Multiplexer	Sequence / digital zoom / freeze
	Digital zoom	-
	Split screen	4, 9
	Spot monitor	Yes

Matrix	Control DVR and IP Fast Dome via TCP/IP by multiple keyboards

Management	Reports	Full alarm, configuration, and operation reports exporting over HTTP or USB
	Authentication	User authentication with feature configurable
	Recording day	Dynamic recording day calculation

Alarm/event	Alarm/event	DI * 8 and DO* 2 (NO/NC)
	Motion	Motion grid 44*36 each channel, 8 sensitivities
	Event	External alarm, video loss, stop recording, power recovering, motion detection, schedule, logon, HDD format
	Email	Alarm notification with JPEG attachments

DVR		
Accessories	Accessories	Remote controller addressable up to 255 DVRs
	P/T/Z protocol	LILIN MLP2 and Pelco RS-485
	Keyboards	PIH-931 keyboard
	IR receiver	Extra IR extension connector, up to 200 m
	Mouse(Optional)	USB / PS-2, drag-n-drop, right-mouse-click, mouse wheel.
	Audio	G.711 audio, 0.7Vp-p, 300 Hz to 3KHz
	Audio In/out	RCA 4 in , 1 output
	Remote control	Yes
Network	Network	Direct Internet browser access / multiple users access
	Protocols	ARP / TCP/IP / UDP / HTTP / SMTP / FTP / DDNS / PPPoE / DynDNS / NTP
	Web	Live / event log & time search playback / AVI / snapshot
	DVR status	HTML DVR status
	IPScan	IPScan supported, easy-to-setup for IP address
Software	BackupManager	Multiple DVRs FTP file download and multi-channel playback
	Mobile phone	iPhone, and Android mobile phone supported
Others	WDT	Hardware watchdog timer
	DST	Daylight saving time
	Multilanguage	English, Chinese, Spanish, Danish, Swiss, Norwegian, Arabic, Japanese, German, French, Polish, Portuguese, Simplified Chinese, Vietnamese, Italian
	CPU/OS	32-bit RISC Processor, ARM926 SoC 336 MHz, Linux 2.6 kernel
Power	Power	DC 12V, 5.0A, 60W
	Working Env.	Temp: 0°C ~ +50°C / Humidity: 0%~80%
	Dimension	360mm * 60mm * 308mm
	Weight	3.0 Kg

Design and specifications are subject to change without notice.

LILIN

NEW

DVR304

H.264 Real-time Full D1 recording and playback

Features

- H.264 real-time Full D1 live ,D1 120 FPS recording and playback .
- VGA outputs at 1920 * 1080i, built-in 3D intellectual motion adoptive re☒ement and vivid image enhancement engines.
- HTTP web-based interface including DVR con☒guration, PTZ control, playback, and live monitoring.
- Concurrent multiple channel playback for 4-channel.
- 3G mobile phone solutions provided.
- Resolution, frame rate, and video quality con☒gurable for each channel.
- LCD Power saving design.
- Support Free CMX

Dimensions 290(W) x 260(D) x 52(H)mm

(Unit:mm)

290mm
52mm
260mm

| Camera x 4 | H.264 | 1920x1080i VGA outputs | ROI | PIP 01 02 | GUI | Motion | FTP |
| File Backup | Power Saving | Mobile | Web viewer | Audio | Mouse | USB | CMX Free |

DVR	
Name	**H.264 Real -time Full D1**
Model	**DVR304**
Recording	SATA HDD: internal * 2

Recording	Recording mode	External alarm / motion detection / schedule / manual
	Video source	Analog * 4
	Resolution	Full D1: 720 * 576 (PAL) 720*480 (NTSC) / CIF: 320 * 288 (PAL) 320 * 240 (NTSC)
	Recording NTSC	D1 120 / CIF 120 FPS
	Recording PAL	D1 100 / CIF 100 FPS
	Schedule	7 day * 24 hrs time table, recording mode con☒gurable
Backup	Backup	USB 2.0 ☒sh disk / HTTP ☒e download / Audio supported
	DVD/RW	External USB DVD/RW
Playback	Playback	H.264 AVC video
	Speed	FR: 2x, 4x, 6x / FF: 2x, 4x, 6x
	Compression	H.264 AVC and JPEG
Video	Video Input	Analog cameras
	Camera Name	12 characters
	Live video	PAL: 100 FPS / NTSC: 240 FPS
	Video Output	BNC * 1 + Spot monitor
	VGA output	3D intellectual motion adoptive re☒ement with vivid image enhancement VGA engine up to 1920 * 1080i
	Backlight saving	LCD backlight saving mode
Multiplexer	Multiplexer	Sequence / digital zoom / freeze
	Digital zoom	ROI for 5X and 9X with PIP
	Split screen	4, PIP
	Spot monitor	No
Matrix		No
Management	Reports	Full alarm, con☒guration, and operation reports exporting over HTTP or USB
	Authentication	User authentication with feature con☒gurable
	Recording day	Dynamic recording day calculation
Alarm/event	Alarm/event	DI * 4 and DO * 2 (NO/NC)
	Motion	Motion grid 44*36 each channel, 8 sensitivities
	Event	External alarm, video loss, stop recording, power recovering, motion detection, schedule, logon, HDD format
	Email	Alarm noti☒ation with JPEG attachments

DVR		
Accessories	Accessories	Remote controller addressable up to 255 DVRs
	P/T/Z protocol	LILIN MLP2 and Pelco RS-485
	Keyboards	None
	IR receiver	None
	Mouse(Optional)	USB / PS-2, drag-n-drop, right-mouse-click, mouse wheel.
	Audio	G.711 audio, 0.7Vp-p, 300 Hz to 3KHz
	Audio In/out	RCA 1 in, 1 output
	Remote control	Yes
Network	Network	Direct Internet browser access / multiple users access
	Protocols	ARP / TCP/IP / UDP / HTTP / SMTP / FTP / DDNS / PPPoE / DynDNS / NTP
	Web	Live / event log & time search playback / AVI / snapshot
	DVR status	HTML DVR status
	IPScan	IPScan supported, easy-to-setup for IP address
Software	BackupManager	Multiple DVRs FTP ☒e download and multi-channel playback
	Mobile phone	iPhone, and Android mobile phone supported
Others	WDT	Hardware watchdog timer
	DST	Daylight saving time
	Multilanguage	English, Chinese, Spanish, Danish, Swiss, Norwegian, Arabic, Japanese, German, French, Polish, Portuguese, Simpli☒ed Chinese, Vietnamese, Italian
	CPU/OS	32-bit RISC Processor, ARM926 SoC 336 MHz, Linux 2.6 kernel
Power	Power	DC 12V, 4.2A, 48W
	Working Env.	Temp: 0°C ~ +50°C / Humidity: 0%~80%
	Dimension	290 mm * 52mm * 260mm
	Weight	1.5 Kg

Design and speci☒ations are subject to change without notice.

LILIN

PDR 6164

Digital Video Recorder (DVR)

Features

- Technology : MPEG-4 compress engine
- VGA engine : Built-in VGA with intellectual motion adoptive refinement and vivid image enhancement
- Frame rate : configurable for each channel
- Schedule : time, daily, weekly, monthly
- Playback search by time search, event search, and record search
- Easy-to-use jog, shuttle, mouse, IR remote controller
- User authentication : Three level- admin, operator, and guest
- Firmware update : firmware upgrade via USB, network
- Audio : 16 CH, two way audio
- Multi-task capability : Supports recording, playback, monitoring, back up and network at the same time
- Remote access : Live video, video capturing, audio monitoring, playback and download, firmware upgrade, event notification from remote DVR
- Free CMS : CMS network connection consists of total 16 groups. Each group has maximum 16 viewing channels can be allocated to connect up to 16 DVRs.
- Back up : Backup plans include DVR/RW, USB flash disk and remote file download.

Dimensions 434(W) x 411.4(D) x 88(H)mm

(Unit:mm)

434mm

88mm

Digital Video Recorder (DVR)		
Model	**PDR-6164A**	**PDR-6164S**
Type	MPEG-4	
Channel	16	
System	Standalone,Linux	
Built-in DVD/CD	DVD-RW	None
Removable HDD tray	None	
Internal HDD support	2	
HDD supported	SATA	
External RAID	None	
Recording	MPEG-4	
Speed	NTSC : 480 FPS , PAL : 400 FPS	
Resolution	720 x 480 (Frame) / 720 x 240 (Field) / 320 x 240 (CIF)	
Schedule	Time, Daily, Weekly, Monthly	
Audio Backup	Yes	
Video Input	BNC x 16 (1Vp-p, 75 Ω)	
Looping	BNC x 16 (1Vp-p, 75 Ω)	
Channel Editing	None	
Video Out	BNC x 16 (1Vp-p, 75 Ω)	
VGA Output	800 x 600 image enhancement VGA engine	
Split screen	4, 9, 16	
Spot	Spot x 1	
Alarm	Alarm in x 16 / Alarm outputs x 4 (NO/NC)	
Motion	Motion grid	
Pre-recording	Yes	
Accessories		
P/T/Z protocol	LILIN MLP2	
Keyboards	None	
Jog & shuttle	FF, FR, Step, Instant rewind, Menu setup	
Mouse support	Yes	
Audio	RCA x 16 inputs / RCA x 1 output	
Network		
Remote firmware upgrade	Yes	
Web	Live	
Audio	Yes	
Mobile/PDA Support	None	
DST	Yes	
Language Support	English, Chinese, Turkish, Spanish, Italian, Portuguese, Polish, Russian	
Power	DV12V, (AC 90V ~ 260V Adapter), 6.7A	
Dimension	434mm(w) x 411.4mm(d) x 88mm(h)	

LILIN

PSH 100

PSH-100 Stand-alone e-SATA Raid hard disk storage system

Features

▪ Support RAID-0, RAID-0+1, and NRAID modes
▪ Easy-to-use without complicate system setting, and Plug-and-play design allows interfacing with a DVR or a PC via SATA cable.

SATA

Dimensions 434(W) x 470(D) x 45(H)mm

(Unit:mm)

434mm

45mm

PSH-100 Stand-alone e-SATA Raid hard disk storage system	
Host Interface	**SATA**
Host Transfer Rate	150MB / Sec.
Hard Drive	4 x 3.5" SATA Drive
Largest Capacity	RAID-0 up to 2TB, RAID-0+1 up to 1TB
Support Big Drive	Yes
RAID Level	RAID-0 RAID-0+1 NRAID
Support Hot-Swap	Yes
LCD Display	Yes
O.S. Independent	Mac 10.2, Windows 2000/2003/XP, OS Independent (SATA)
Power Supply	AC90~260V Max., 85W
Dimension	434(W) x 470(D) x 45(H)mm
Weight	5.6Kg (W/O HDD)

LILIN

MATRIX & PERIPHERAL

Matrix & LCD Monitor
Infrared Illuminator / Other Products
Pan/Tilt / Scanner
Keyboard / Infrared Remote Controller

LILIN

PIH 816III / 832III / 864III / 820III
PMH L17AC / L19AC

Matrix & LCD Monitor

Matrix				
Product Picture				
Model	PIH-816III	PIH-832III	PIH-864III	PIH-820III
Input Voltage	AC 117V / AC230 V			117 / 230Vac
Camera Input	16	32	64	-
Monitor Output	8	8	16	-
Alarm Input	16	32	64	-
Alarm output	1			-
Frequency Response	10Hz to 60 MHz			-
S / N Ratio	Better Than 60 dB			-
Video Output	CVBS 1.0Vp-p 75Ω			-
Keyboard Control	Max. 8 RS-485			-
PC Control	Max 1 RS-232 (External Interface Required)			-
Alarm Contact	NO / NC (D-SUB 37 PIN Female Connector)			-
Weight	5.7 Kg		8.0 Kg	
Dimension	434(W) x 90(H) x 290(D)		434(W) x 135(H) x 290(D)	-
RS-485 Max Distance	-		-	1000m
DIP Switch Setting	-		-	1 ~ 64
Pan & Tilt Output	-		-	24 / 117 / 230Vac
Camera Output	-		-	12Vdc / 24/ 117 / 230 Vac
Lens Output	-		-	6 / 12Vdc

LCD Monitor		
Product picture		
Model No.	PMH-L17AC	PMH-L19AC
Panel Size	17" LCD	19" LCD
Resolution	1280 x 1024 @ 75Hz	
Pixel Pitch	0.264 (H) x 0.264 (V) mm	
Contrast rate	500 : 1	
Brightness	300 cd/m2 (Max)	
Display Rate	4 : 3	
View Angle	L / R: 70 / 70 , U / D: 70 / 60	L / R: 70 / 70 , U / D: 75 / 60
Response Time	Tr + Tf = 8 ms	
Video Signal	Analog RGB Signal , Composite Signal 0.6 ~ 1Vp-p / 75 ohm , Y: 1Vp-p , C: 0.3Vp-p	
Scan Frequency	H: 31K ~ 81KHz , V: 56 ~ 75Hz	
Power Failure Auto Recovery	Auto Power On and Default in AV1	
OSD Control	Auto Config , Brightness , Contrast , Color-Temp , Position , Image Quality , Menu	
OSD Language	English , French , Deutsch , Spanish , Italian , Traditional Chinese(6)	
Input Connector	D-Sub x1Video Input (BNC) x 1Video Input (RCA) x 1Audio Input (Φ 3.5mm Jack) x 1 (for PC Input) Power Input(DC 12V / 4.16A) x 1	D-Sub x1Video Input (BNC) x 2Video Input (RCA) x 1Audio Input (RCA, Stereo) x 1 (L+R x 2, 1 set)Audio Input (Φ 3.5mm Jack) x 1 (for PC Input) Power Input(DC 12V / 4.16A) x 1
Output Connector	No	Video Output (BNC) x 1
Panel Protection	Anti-glare , Hard coating (3H)	
Audio Speaker	2W x 2	
Looping 75 ohm	No	Yes (AV3)
VESA Spec.	75 x 75 mm	
Power	DC 12V , 4.16A	
Power Consumption	50W	
Temperature	5°C ~ + 40°C	
Humidity	20% ~ 85% RH	
Unit Dimension	400 (W) x 385 (H) x 160 (D) mm	430 (W) x 425 (H) x 160 (D) mm
Net Weight	5 Kg	5.35 Kg
Accessory	AC Power Cord , D-Sub to D-Sub Cable , Adapter , User's Manual CD	

Fast Dome **Pan / Tilt**

IN OUT IN OUT IN

Control Lines Control Lines Control Lines

OUT   IN

Receiver Receiver Receiver

ALARM IN A
ALARM IN B

IN

Camera

Monitor **PC**

1~8 Keyboards

—— Coaxial Canle
----- RS 485
—— Control Lines

LILIN
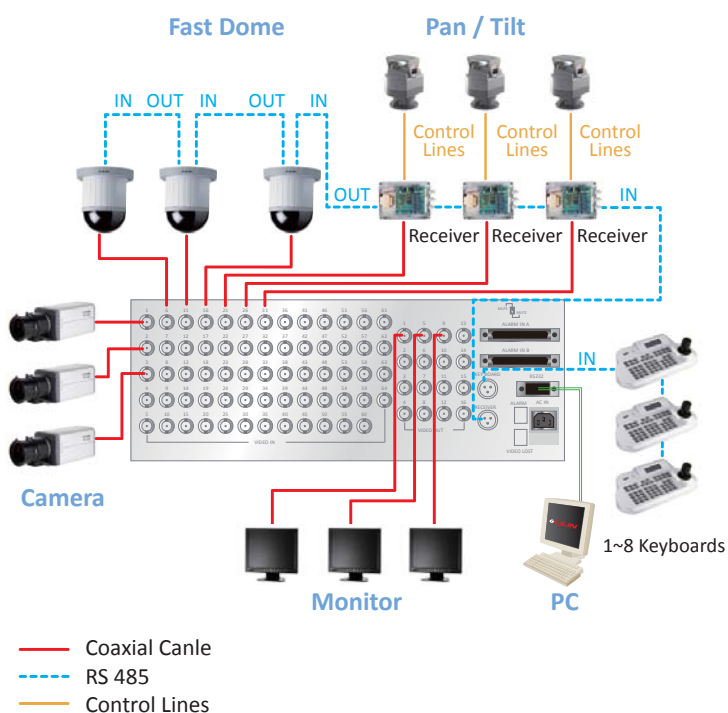
PRH 5218 / 5840 / 5440

Infrared Illuminator

		Infrared Illuminator		
Product Picture				
Model		**PRH-5218**	**PRH-5440**	**PRH-5840**
Power Input Voltage		DC12V ±10%	AC24V ±10%	AC90 ~ 260V max.
Radiant Distance		18m (59ft)	40m (131ft)	
Window		Φ59	Φ88	
Infrared LED	Wave Length	850nm		
	Angle	30°	20°	
	Quantity	21 units	12 units	
	Power On	Sensor Auto Control		
IP Rating		IP68	IP66	
Mounting		Bottom		
Construction		Aluminum		
Power Consumption		2.0W	7.2W	
Operating Temperature		-20°C ~ + 60°C (-4°F ~ + 140°F)		
Dimension		78mm (W) x 66.5mm (H) x 107mm (D)	Φ100 x 185mm	
Weight		300g	1060g	

PS 10 / PIH 804III / 810III / 820III
PIH 6001 / 6002

Other Products

	Data Distributor	Alarm Extender	Video Amplifier	Video Distributor
Product Picture				
Model	**PIH-804III**	**PIH-810III**	**PIH-6001**	**PIH-6002**
Input Voltage	12Vdc	90~240 Vac	117 / 230Vac	
System	-	-	NTSC / PAL	
Current	-	-	-	
Output Voltage	-	-	-	
Telemetry Output	4 x RS-485	1 x RS-485	-	
Telemetry Input	1 x RS-485	1 x RS-485	-	
RS-485 Max Distance	1000m	-	-	
DIP Switch Setting	-	1 ~ 64	-	
Gain / HF Frequency	-		10Hz ~ 4.5MHz (±3dB)	10Hz ~ 15MHz
Video Output	-		BNC 0.4 ~ 2.0Vp-p 75Ω	4 x 1.0 ~ 2.0Vp-p 75Ω
Video Input	-		BNC 1.0Vp-p 75Ω	1 x 1.0 ~ 2.0Vp-p 75Ω
Maximum Video Gain	-		12dB (±3dB)	1dB
Frequency Bandwidth	-		4.5MHz	1Hz ~ 15MHz
Weight	0.4Kg	-	1.3Kg	1.25Kg

PIH 302 / 303 / 305 / 305S

Pan/Tilt

	Indoor Pan/Tilt	Indoor Scanner	Outdoor Pan/Tilt
Product Picture			
Model	**PIH-302**	**PIH-305S**	**PIH-303**
Input Voltage	24 / 117 / 230Vac		
Pan Speed	6°/ sec		
Pan Travel	355°,Adjustable limit stops	350°,Adjustable limit stops	355°, Adjustable limit stops
Tilt Speed	4°/ sec	-	3°/ sec
Tilt Travel	+30°Up, -40°Down	90°Down	+50°Up, -50°Down
Maximum Load	Pan 7KgTilt 4Kg	7Kg	15 Kg
Duty Cycle	Pan: continuous, Tilt: intermittent	continuous	Pan : continuous, Tilt: intermittent
Seals	Dust-proof Gasket seals		Water-proof Gasket seals
Weight	1.9Kg	0.9Kg	5.7Kg

PIH 301C / 302C / 306 / 307 / 308

Scanner

	Outdoor Pan / Tilt Control		Scanner Control	Scanner Control 5-Channel	Multiple Pan/Tilt/ Lens Control
Product Picture					
Model No.	**PIH-301C**	**PIH-302C**	**PIH-306**	**PIH-307**	**PIH-308**
Input Voltage	117 / 230Vac				24 / 117 / 230Vac
Output Voltage	24 / 117 / 230Vac				
Control Buttons	Auto / Off / Manual, Left / Right / Up / Down		Auto / Off / Manual, Left / Right		
Construction	Steel,Silver Gray Baked Enamel Finish				
Lens Output Voltage	-				8~16Vac(adjustable)
Lens Control	-				Zoom, Focus, Iris
Number of PTZ	-				5 x PTZ
Weight	1.25Kg		1.25Kg	2.20Kg	4.30Kg

Keyboard (For all Fast Dome Series)

	Multi-functional 3D/2D Keyboard Controller		Keyboard Controller	Keyboard Expander
Product Picture				
Model No.	**PIH-931D**	**PIH-932T**	**PIH-800III**	**PIH-800EK**
Joystick	3 Axis (Pan/ Tilt / Zoom)	2 Axis (Pan / Tilt)	-	-
Movement Speed control	Pan:8 Steps, Tilt:8 Steps, Zoom:16 Steps	Pan:8 Steps Tilt:8 Steps	-	-
Data Communication	RS-485 Standard(Format N, 8, 1, Baud rate 9600bps)		RS-485, 9600 Baud	-
Connector	RJ-45 / 8Pin (Format N, 8, 1, Baud rate 9600bps)		-	-
Control Mode	PTZ / MATRIX / DVR		-	-
LCD Display	20 Characters x 4 Lines		-	-
Keyboard Keypad	Total 54 keys 0~9 Numeric Keys, CAM, MON,MATRIX, DVR, PRESET, CLR, ENT, SET, ESC, ALARM RESET, KEYLOCK, SEQ, AUTO PAN and SHIFT Keys, Lens Control Keys, DVR control Keys, Receiver Control Keys, Function Keys		-	-
Input Voltage	DC 12V 10% / 250mA		DC 12V	-
Operating Temperature	-5°C ~ + 60°C (23°F ~ 140°F)		-5°C ~ +60°C	-
Input Voltage	DC 12V 10% / 250mA		DC12V	
DIP Switch Setting	-		Direct to Dome / Master/ Slave	-
Telemetry Output	-		1 x RS-485	-
Telemetry Input	-		1 x RS-485	-
RS-485 Max Distance	-		1000m	-
Power Consumption	3W		250mA	250mA
Control Interface	-		-	RS-485(1 Input / 1 Output)
Baud Rate	-		9600	9600,N,8,1
LED Indicator	-		-	Green: Power, Red: Transmission, Yellow: Receiving
Connection Capacity	-		-	Keyboard Controller: 4, Fast Dome Camera: 64
Diameter(mm)	340(W) x 194(D) x 103(H) mm		370(L) 190(W) 83(H)mm	92(L) x 73(W) x 27(H)
Weight	1350 g	1300 g	1500g	60g

TX 210 / RX 212

Infrared Remote Controller (For all Fast Dome Series)

	Infrared Remote Controller / Infrared Receiver	
Product Picture		
Model	**TX212**	**RX212**
Power Supply	DC 3.0V [AAA(UM-4) battery x 2]	DC 12V ±10%
Power Consumption	120 mW	1W
Ambient Operation Temperature	0°C ~ + 40°C (32°F ~ 104°F)	-10°C ~ + 50°C (14°F ~ 122°F)
Operating Humidity	0% ~ 90%	
Infrared Beam Spread	30°	
Infrared Radiant Distance	8 M	
Infrared Frequency	38 KHz	
Communication Control Interface	-	RS-485
Dimensions	50mm (W) x 22mm (H) x 175mm (D)	72mm (W) x 28mm (H) x 100mm (D)
Weight	80g (not including battery)	60g

HOUSING & BRACKET

Camera Housing / Camera Bracket

Camera Bracket

Speed Dome Bracket

PIH 5040S / 5063 / 5084

Camera Housing

Outdoor Housing			
Product Picture			
Model	PIH-5040S	PIH-5063	PIH-5084
Mounting	Bottom		
Construction	Aluminum		
Window Dimension Glass Thickness	74(W) x 64 (H) / 5mm	Φ110 Heat Resistant Glass / 5mm	Φ78 Heat Resistant Glass / 3mm
Dimension	140mm(W) x 115mm(H) x 373mm(D)	Housing : Φ134 x 318mm (L) Bracket : 211.5mm (L)	Housing : Φ112 x 384mm (L) Bracket : 211.5mm (L)
Weight	1.3kg	2.0kg	1.9kg
Ext. Model	-	PIH-5063 : AC230V (Heater & Blower) PIH-5064 : AC24V (Heater & Blower) PIH-5067 : AC117V (Heater & Blower)	PIH-5084 : AC24V (Heater) PIH-5088 : AC90~260V (Heater)

PRH 5480 / 5880 / 5480M / 5880M / 54200 / 58200
PRH 9480 / 9880

IR Housing

	Infrared Illuminator Housing						Invisible Infrared Illuminator Housing	
Product Picture	Inside Look							
Model	PRH-5480	PRH-5880	PRH-5480M	PRH-5880M	PRH-54200	PRH-58200	PRH-9480	PRH-9880
Power Input Voltage	AC24V ±10%	AC90 ~ 260V max.	AC24V ±10%	AC90 ~ 260V max.	AC24V ±10%	AC90 ~ 260V max.	AC24V ±10%	AC90 ~ 260V max.
Radiant Distance	100m		60m		200m		80m	
Window	Φ110 Heat Resistant Glass							
Glass Thickness	3mm							
Infrared LED — Wave Length	850nm						940nm	
Infrared LED — Angle	10° + 30°		30°		6° + 30°			
Infrared LED — Quantity	11 units (10°) + 6 units (30°)		17 units		5 units (6°) + 2 units (30°)			
Infrared LED — Power On	Sensor Auto Control, Adjustable Control Point							
Blower Control	On:35°C Off:25°C							
Heater Control	On:15°C Off:25°C							
Suitable Camera and Lens	Max. 200mm length							
IP Rating	IP66							
Mounting	Bottom							
Construction	Aluminum							
Power Consumption	22W				32W			
Operating Temperature	-20°C ~ + 60°C (-4°F ~ + 140°F)							
Dimension	Housing: Φ134 x 318mm(L), Bracket: 205mm (L)		Housing : Φ134 x 318mm (L), Bracket : 211.5mm (L)				Housing : Φ134 x 318mm (L), Bracket : 211.5mm (L)	
Weight	3500g							

🌀 LILIN

PIH 500 / 500L / 5001N / 5002L / 5005M / PIH 5004 / 5004L

Camera Bracket

Bracket						
Product Picture						
Name	Camera Bracket						
Model	**PIH-500**	**PIH-500L**	**PIH-5001N**	**PIH-5002L**	**PIH-5005M**	**PIH-5004**	**PIH-5004L**
Adjustment	Pan: 360° Tilt: ±90°			Pan & Tilt	Pan: 360° Tilt: ±90°	Pan & Tilt	Pan & Tilt
Maximum Load	2kg			6kg	5kg	10kg	10kg
Construction	ABS Injection			Aluminum		Aluminum, Light Gray Textured	
Dimension(mm)	76 (W) x 153 (H) x 73 (D)	76 (W) x 218 (H) x 73 (D)	123 (L) x 45 (Φ)	202 (W) x 252 (H) x 24 (D)x 119 (Φ)	164 (L) x 119 (Φ)	85 (W) x 309 (H) x 99 (D)	61 (W) x 240 (H) x 83 (D)
Weight	80g	100g	110g	700g	280g	600g	300g

PIH WM / 26WM / BTR01S / 5003 / DTS02S

Camera Bracket

Bracket					
Product Picture					
Name	Camera Bracket			Scanner Bracket	Corner/ Pole Mount
Model	**PIH-WM**	**PIH-26WM**	**BTR01S**	**PIH-5003**	**DTS02S**
Adjustment	-	-	Pan & Tilt	Pan	-
Maximum Load	5kg	2kg	10kg	10kg	15kg
Construction	Aluminum, Creamy White Textured	ABS Injection	Aluminum	Aluminum, Light Gray Textured	Aluminum, Silver Gray Baked Enamel Finish
Dimension(mm)	132 (W) x 111 (H) x 169 (D)	120 (W) x 65 (H) x 144 (D)	262 (W) x 287 (H) x 39 (D)	85 (W) x 309 (H) x 99 (D)	190(W) x 130 (H) x 105 (D)
Weight	600g	95g	1000g	450g	500g

PIH 303B / 303PEX / 303P / PIH-510 CPM / PIH Z6 / PIH 520HB / PIH76WM / 303BX

Fast Dome Bracket

	Bracket							
Product Picture								
Name	Wall Mount	-	Pendant Mount	Corner/ Pole Mount	Pilot Head	Pendant Mount	Wall Mount	Wall Mount
Model	PIH-303B	PIH-303PEX	PIH-303P	PIH-510 CPM	PIH-Z6	PIH-520HB	PIH-76WM	PIH-303BX
Maximum Load	30kg	-	30kg	25kg	-	-	5kg	30kg
Construction	Aluminum, Light Gray Textured					Aluminum		Steel, Light Gray Textured
Dimension(Mm)	148(W) x 385 (H) x 175 (D	300(H)	148(W) x 385 (H) x 175 (D	275(W) x 91 (H) x 182(D)	300(H)	284(L)x204(W) x149.5(H)	150(W) x110 (H) x 171 (D)	180(W) x 318.5 (H) x 214 (D)
Weight	1.2kg	-	1.1kg	0.5kg	-	2.7Kg	0.5kg	3.9kg
Schematic Drawing	PIH-303B + FAST DOME	-	PIH-303P + PIH-303PEX		-	PIH-520HB + PIH-Z6	PIH-76WM + FAST DOME	PIH-303BX + FAST DOME
Matched Model	PIH 7625 / 7625T PIH 7625D / 7625DW PIH 7525DH / 7630DH / 7635DH ST 125 / 130 / 135	PIH 7625 / 7625T PIH 7625D / 7625DW PIH 7625DH / 7630DH / 7635DH ST 125 / 130 / 135 PIH 7525DH / 7530DH / 7535DH ST 025 / 030 / 035	PIH 7625 / 7625T PIH 7625D / 7625DW PIH 7625DH / 7630DH / 7635DH ST 125 / 130 / 135	PIH 7625 / 7625T PIH 7625D / 7625DW PIH 7525DH / 7530DH / 7535DH ST 025 / 030 / 035	PIH 7625 / 7625T PIH 7625D / 7625DW	PIH 7525DH / 7530DH / 7535DH ST 025 / 030 / 035	PIH 7625DH / 7630DH / 7635DH ST 125 / 130 / 135	PIH 7625 / 7625T PIH 7625D / 7625DW

PIH-510 CPM : Stainless Strap for Pole X2 Diameter Range 2.5~7Inch

PIH 520L / 520LB / CPM / 520G / 510L / 510H

Fast DomeBracket

	Bracket					
Product Picture						
Name	Wall Mount	Wall Mount	Corner/ Pole Mount	Swan Neck	Wall Mount	Pendant Mount
Model	PIH-520L	PIH-520LB	PIH-CPM	PIH-520G	PIH-510L	PIH-510H
Maximum Load	-	-	20kg	-	-	-
Construction	Aluminum			Steel	Aluminum	
Dimension(mm)	100(W) x160 (H) x 210(D)	204(W) x284(H) x 255(D)	156.6(W) x126 (H) x 86.8(D)	725(L)x455(W)x83(H)	405(W) x367.15(H) x 270(D)	274(W) x477.5(H) x 270(D)
Weight	0.84kg	3.1kg	0.44kg	6.8kg	5kg	4.8kg
Strap	-		Stainless Strap for Pole X2	-		
Schematic Drawing	PIH-520L + FAST DOME	PIH-520LB+ FAST DOME		PIH-520G + FAST DOME	PIH-510L + PIH 510CPM	PIH-510H + PIH Z6
Matched Model	PIH 7525DH / 7530DH / 7535DH ST 025 / 030 / 035	PIH 7525DH / 7530DH / 7535DH ST 025 / 030 / 035	PIH 7525DH / 7530DH / 7535DH ST 025 / 030 / 035	PIH 7525DH / 7530DH / 7535DH ST 025 / 030 / 035	PIH 7625 / 7625T PIH 7625D / 7625DW	PIH 7625 / 7625T PIH 7625D / 7625DW

LILIN