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Secure in knowledge

Fast Dome Camera

www.meritlilin.com



22X/35X

Super Hi-Resolution Fast Dome Camera

The Super High Resolution Fast Dome Camera features low illumination and selection of 22X / 35X models, ensuring high quality surveillance. Added features such as 5-language OSD menu, 8 privacy masking zones and 128 preset points, 256 PTZ configurations, the LILIN's fast dome camera will exceed all your security requirements.

Resolution

520TVL (Color), 580TVL (Mono)

Low Light

0.1 Lux /F1.6, 0.01 Lux /F1.6

Day & Night (ICR)

24-Hour Continuous Surveillance to Ensure The Most Security

Application

Optional Model for indoor / Outdoor Solutions

Zoom

Selection of 22X/35X models
22X Optical Zoom Lens, f3.9~85.8mm
35X Optical Zoom Lens, f3.6~126mm

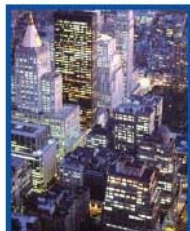
Premium Function

5-Language OSD Menu, 8 Privacy Masking Zones, 128 Preset Positions, 256 PTZ Configurations

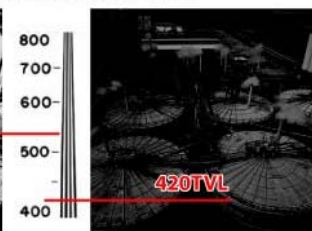
5 Language OSD



Day & Night



Super High Resolution of 520 TVL



22X Optical Zoom Lens



35X Optical Zoom Lens



Dynamic Privacy Masking

Outdoor Application

PIH-7522 / 7535 series: Combine camera and housing into one design, save your extra cost on outdoor housing. The optional brackets can fit the different installation requirement. With built in auto activated heater and blower, the PIH-7522/7535 series can operate normally in the crucial weather conditions.



PIH-520L



Bracket for outdoor application (Optional)

Indoor Application

PIH-7622 / 7635 series: the superb functionality of the camera is further enhanced by its simple, elegant design. This high specification camera with its subtle design is suitable for use in a variety of applications, making it the ideal solution for a variety of surveillance requirements.



Easy Installation (Indoor Series)



	PIH-7622	PIH-7622DH	PIH-7522	PIH-7522DH	PIH-7635DH	PIH-7535DH
Zoom	22X				35X	
Focal Length	3.9mm~85.8mm				3.6mm~126mm	
Minimum Aperture Ratio	1:1.6 (Wide) ~ 3.7 (Tele)				1:1.6 (Wide) ~ 4.2 (Tele)	
Minimum Object Distance	1mm (Tele)				1.5 mm (Tele)	
Iris Range	F1.6 ~ 16 / Close				F1.6 ~ 16 / Close	
Angle Field of View	Wide: 38.73°(V) 50.13°(H) Tele: 1.8°(V) 2.4°(H)				Wide: 41.6°(V) 53.8°(H) Tele: 1.23°(V) 1.64°(H)	
Image Pick-up Device	Sony 1/4" Super HAD CCD	Sony 1/4" Exview HAD CCD	Sony 1/4" Super HAD CCD	Sony 1/4" Exview HAD CCD	Sony 1/4" Exview HAD CCD	
Horizontal Resolution	520TVL(Color)	520TVL(Color) 580TVL(Mono)	520TVL(Color)	520TVL(Color) 580TVL(Mono)	520TVL (Color) 580TVL (Mono)	
Minimum Illumination	0.3 Lux at F1.6 (Color)	0.1 Lux at F1.6 (Color) 0.01 Lux at F1.6 (Mono)	0.3 Lux at F1.6 (Color)	0.1 Lux at F1.6 (Color) 0.01 Lux at F1.6 (Mono)	0.1Lux at F1.6 (Color) 0.01Lux at F1.6 (Mono)	
Power Consumption	13W		22W		13W	22W
Dimensions	238mm (H) x 145mm(D)		326mm (H) x 210mm(D)		238mm (H) 145mm (D)	326mm (H) 210mm (D)
Weight	3Kg		14Kg		3 Kg	14 Kg
Heater Activation	NA		On: 15°C, Off: 25°C		NA	On:15°C Off:25°C
Fan Activation	NA		On: 35°C, Off: 25°C		NA	On:35°C Off:25°C

Design and specifications are subject to change without notice.

PIH-76XX / 75XX Series Common Specifications

General

System	NTSC (EIA)	PAL (CCIR)
Effective Pixels	NTSC: 811 (H) x 508 (V)	PAL: 795 (H) x 596 (V)
Scanning System	2:1 Interlace, 525 Lines, 60 Fields/sec	2:1 Interlace, 625 Lines, 50 Fields/sec
Scanning Frequency	15.734 KHz (H), 60 Hz (V)	15.625 KHz (H), 50 Hz (V)
Synchronization	Internal / Line Lock Selectable	
Video Output	CVBS 1.0 Vp-p / 75ΩBNC	
Signal to Noise Ratio	More Than 50 dB (AGC: Off)	
Ambient Operation Temperature	-10°C ~ +50°C (14°F ~ 122°F)	
Operating Humidity	0%~90%	

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. 7.0 Second (Tele to Wide) in Manual Mode]	
Zoom Limit (22X Model) (35X Model)	Minimum: 1x~10x Selectable, Maximum : 15x~22x Minimum: 1x~10x Selectable, Maximum : 15x~22x	
Focus Speed	Slow / MID. / Fast Selectable [Fast : Approx. 4.0 Second (Far to Near) in Manual Mode]	
Auto Focus	Auto / Zoom Trigger / Interval	
Iris	ALC (Adjustable Output Target Level) / Manual	
Day & Night	D type: Color / B/W / Auto (ICR Filter Function)	
Password Lock	Function Setup	
Electric 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	

Design and specifications are subject to change without notice.

PIH-XXXX + "X" + "X"

↓
L: AC24V ±10%
F: AC 100V ~240V ±10%
N: NTSC
P: PAL

NTSC System

PIH-7522NL / PIH-7522NF
PIH-7522DHNL / PIH-7522DHNF
PIH-7622NL / PIH-7622NF
PIH-7622DHNL / PIH-7622DHNF
PIH-7535DHNL / PIH-7535DHNF
PIH-7635DHNL / PIH-7635DHNF

PAL System

PIH-7522PL / PIH-7522PF
PIH-7522DHPL / PIH-7522DHPF
PIH-7622PL / PIH-7622PF
PIH-7622DHPL / PIH-7622DHPF
PIH-7535DHPL / PIH-7535DHPF
PIH-7635DHPL / PIH-7635DHPF

25X

Day & Night Fast Dome Camera

PIH-7625 Fast Dome Camera series equip with a 25X optical zoom lens adopting Sony ExView HAD CCD and retractable IR Cut Filter, automatically switch from color to monochrome when light drops. The PIH-7625D/DW is based on the PIH-7625 series Fast Dome Camera and offer significant enhancements and refinements to provide the most innovative surveillance solutions. With Wide Dynamic Range technology, PIH-7625DW is able to deliver each field with dynamic shutter speeds to create a sharp color image in all lighting conditions.

Zoom

25X Optical Zoom Lens
F3.8~95mm

Low Light

Color 0.1 Lux /F1.6
B/W 0.01 Lux /F1.6

Resolution

Color 480TVL, B/W 580TVL

Premium Function

OSD / 128 Preset ID

Day & Night (ICR)

24-Hour Continuous Surveillance To
Ensure The Most Security

IP Function (7625IP)

Remote monitoring of live video and
full PTX control via web browsers

Wide Dynamic Range (7625DW)

400:1 Enhanced WDR

Memory Function (7625D/DW)

180° Flip, Top/Bottom & Left/Right Reverse

Auto Tracking (7625T)

Manage the motion tracking function
with a single camera

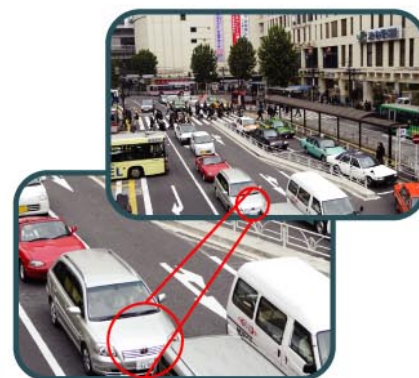
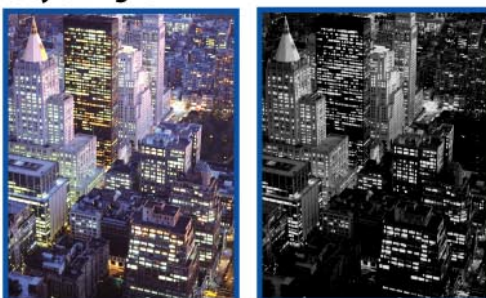
Dynamic Privacy Masking (7625D/DW)

8 Privacy Masking Zones

On Screen Display



Day & Night



25X Optical Zoom Lens

PIH-7625 D/DW Wide Dynamic Range Fast Dome Camera

Wide Dynamic Range Technology uses two shutter speeds in alternative video fields and combines two fields into one progressive scan frame. As a result, the combined field provides a high quality image.



BLC



Normal



WDR

Memory Function

1. 180° Flip
2. Top/Bottom Reverse
3. Left/Right Reverse



Normal



180° Flip



Top/Bottom Reverse



Left/Right Reverse

Dynamic Privacy Masking

With advanced Privacy Zone Masking function, unwanted or prohibited areas within an image can be masked appropriately. Up to 8 privacy zones can be setup in one scene.



Slow-speed Shutter

The slow speed shutter offers an optimal brightness level by increasing the number of stored fields of the CCD in response to low light conditions.



PIH-7625T Human Tracking System Fast Dome Camera

with all the features and functionality of the LILIN PIH-7625 Day/Night Fast Dome Camera, the new PIH-7625T has a built-in intelligent video processing chip to improve distinguishing 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 center.

Applications

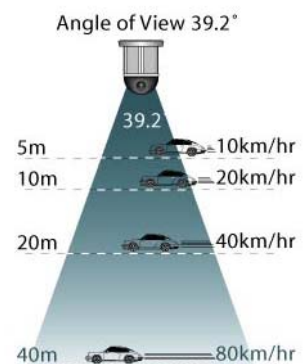
- Access control area (Bank Chest, Military Magazine, Oil or Chemical tank...)
- After hour monitoring and surveillance area (Warehouse, Archives, Parking exit...)
- Education Institution or Video Conference.
- Ceremony



Auto zoom and monitor the object on the screen center



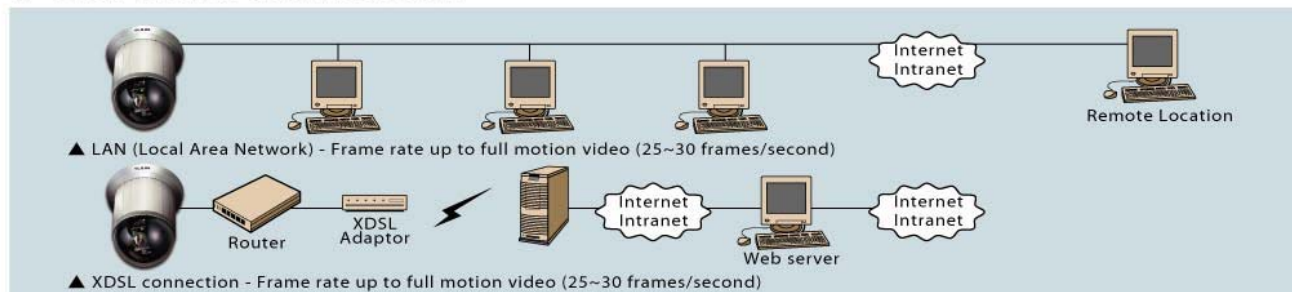
Auto tracking



The limitation of tracking object moving speed

LILIN IP Fast Dome PIH-7625IP is a combination of Fast Dome Camera and integrated web server, making it an ideal choice for remote surveillance applications. Features include remote monitoring of live video and full PTZ control via web browsers, alarm and motion detection function triggered for images transmitted via e-mail or FTP providing flexible alarm management.

IP Fast Dome Connections



IP Fast Dome Recording Application (Optional)

- Provide up to 36 channels of live monitoring, recording, and playback
- E-Map central management system for managing devices and alarm events
- IP Fast Dome PTZ control
- Hybrid video management system for both IP Fast Dome and DVR products
- User authentication
- Quick time stamp search for video playback
- AVI & JPEG file exporting Option
- Drag-n-drop for camera arrangement



Additional IP Features

- Live video monitoring via HTML with throughput up to 30 frames/second
- Easy to use PTZ user interface
- Customized event script
- Images FTP and email provided
- Motion detection to record only when movement occurs
- Easy IP setup via ARP/Web page/IP installer
- API supported



IE VIEWER



Motion Detection



Security



Video Quality Adjustment



P/T/Z Adjustment

PIH-XXXX + "X" + "X" + "IP"

↓
 ↓
 ↓
 IP: IP function
 L: AC24V ±10%
 F: AC 100V ~240V ±10%
 N: NTSC
 P: PAL

NTSC System

PIH-7625NL / PIH-7625NF
 PIH-7625DNL / PIH-7625DNF
 PIH-7625DWNL / PIH-7625DWNF
 PIH-7625TNL / PIH-7625TNF
 PIH-7625NLIP / PIH-7625NFIP

PAL System

PIH-7625PL / PIH-7625PF
 PIH-7625DPL / PIH-7625DPF
 PIH-7625DWPL / PIH-7625DWPf
 PIH-7625TPL / PIH-7625TPF
 PIH-7625PLIP / PIH-7625PFIP

PIH-7625 Series Common Specification

General

System	NTSC / PAL
Power Consumption	13W
Image Pick-up Device	Sony 1/4" Exview HAD CCD
Effective Pixels	NTSC: 768 (H) x 494 (V) PAL: 752 (H) x 582 (V)
Scanning System	NTSC: 2:1 Interlace, 525 lines, 60 fields / sec PAL: 2:1 Interlace, 625 lines, 50 fields / sec
Horizontal & Vertical Sync.	NTSC: 15.734KHz, 60Hz PAL: 15.625KHz, 50Hz
Synchronization	Internal
Vedio Output	CVBS 1.0Vpp / 75ΩBNC
Horizontal Resolution	480TVL (Color) 520TVL(Mono)
S/N Ratio	More than 50dB
Minimum Illumination	0.1 Lux at F1.6 (Color) 0.01 Lux at F1.6 (Mono)
Cable Requirment	UL24AWGx2C Twisted Pair (recommended)
Operating Temperature	-10°C ~ +50°C
Operating Humidity	0% ~ 90%
Dimension (HxD)	208mm (8.3") x 145mm (5.6")
Weight	2.5Kg

Lens

Zoom	25X
Focal Length	3.8~95mm
Aperture (F)	F1.6~F3.7
Angle Field of View	Wide: 39.2(V) 51.9(H) Tele: 1.6 (V) 2.2(H)

Pan and Tilt

Pan Travel	360° Continuous
Tilt Travel	-5° ~ +95°
Pan / Tilt Accuracy	0.25°
Manual Pan/Tilt Speed	1° ~ 180° / Sec
Prset Pan/Tilt Speed	1° ~ 255° / Sec
Preset Dwell Time	1 ~ 255 Sec

Main Function

Control Interface	RS-485
Address Setting	64 programmable ID
Iris Control	Auto / Manual
White Balance	Auto Correction / Auto Tracking / Indoor or Outdoor/Manual
BLC	On / Off
Auto Gain Control	8dB (Low), 22dB (Medium), 36dB (High)
Preset Position	128 Preset Positions
Preset Group	4 Groups
Alarm Input	6 Inputs (expandable to 64)

Model PIH-7625D / PIH-7625DW

Wide Dynamic Range	PIH-7625DW: 400:1
Digital Zoom	PIH-7625D: 256X / PIH-7625DW: 2.56X
Electronic Shutter	1/60 ~ 1/1000000 (1/Sec) NTSC 1/50 ~ 1/1000000 (1/Sec) PAL
Low Speed Shutter	0, 2~20, 40, 80, 160, 320, 510 (FLD)
Video Focus	Auto / One Shot / Manual, 0.07m (Wide) ~ 1m (Tee)
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
Hoome Position	Preset 1

Design and specifications are subject to change without notice.

Model PIH-7625T

Operation Mode	Normal / Track
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7625 IP Function

CPU	32 Bits RISC Processor
ROM	2MB Flash ROM
RAM	16MB SDRAM
Watch Dog	Chip to monitor out tolerance system voltage and abnormal program executing
LED	LEDs to indicate network and power and system status
Video Compression	JPEG; Motion JPEG
Video Adjustment	Brightness, Contrast, Hue, Saturation, Quality
Protocols	TCP / UDP / IP / ARP / ICMP / HTTP / FTP / Telnet / SMPT / DHCP / PPP
Max. Resolution	4 CIF : NTSC (704 x 480) PAL (704 x 576) CIF : NTSC (352 x 240) PAL (352 x 288)
Performance	Video throughput: Up to 30 fps
Event Trigger & Action	Programmable Event Script with Wizard support
Installation	Assign IP address : using ARP or Via Admin Web Page or IP Installer
Software Upgrade	Local or Remote upgrade via FTP & Telnet
System Requirement	Standard browser : IE4.x / 5.x or above / Net-scape Navigator 7.x on Win95 / 98/ NT / Linux
Security	Three-layer Password Protection

Housing & Bracket (Optional)

Indoor Application



Outdoor Application

