

S.Lilin[®]



FAST DOME



Li-Lin Fast Dome Camera

Li-Lin's integrated Fast Dome Surveillance System offers several significant enhancements and refinements, derived through our commitment to continuous improvement and attention to customer's requirement.

Li-Lin's Fast Dome's high performance color camera is equipped with 17x optical auto-focus zoom lens (PIH-7000), 22X (PIH-7600) and 25X (PIH7625). A resolution of 480TV lines provides high definition images and Digital Signal Processing maintains optimum quality in varying conditions with intelligent use of Back Light Compensation, Auto Zoom Etc.

PIH-7625 Day & Night Fast Dome camera equips with a 25X optical zoom lens adopting Sony ExView HAD CCD and retractable IR filter, automatically switch from high resolution color to high resolution monochrome when light drops below 10~15 Lux. Additionally, PIH-7625's on-screen menu offers easier and more configuration options.

Li-Lin's Fast Dome series measure only 145mm in diameter and is capable of making 360 degrees continuous rotation with a speed range of 0.18 to 360 degrees per second, ensures direct and accurate target positioning. When required, the dome can be quickly spun through 180 degrees per second, an important feature when something passes directly under the camera.

Up to 128 preset positions can be programmed and recalled with an accuracy of 0.25 degrees. First 16 presets can be divided into 4 groups for auto touring with individual settings for speed and dwell time.

Each Fast Dome has 6 alarm inputs (expandable to 64) driving the dome to any position in under one second. A local alarm output can be configured as NO or NC and two types of alarm response mode provide flexible alarm management. RS-485 control interface makes our fast dome cameras easy to fit into existing system and compatible with other manufactures' control systems.



Features

PIH-7625 Day & Night Fast Dome Camera

- ExView HAD CCD
- 25X optical lens 3.8 ~ 95mm
- 570 TVL Mono Resolution, 480 TVL Color Resolution
- 0.01 Lux Sensitivity (Mono), 0.1 Lux Sensitivity (Color)
- Color/Mono Auto Switch (IR Cut Filter)
- 2 Auto Focus Modes or Manual Focus
- Auto or Manual Iris (2 speeds selectable)
- 3 Speeds Selectable for Optical Zoom
- AGC Sensitivity Adjustable
- BLC Zone Selectable
- Auto White Balance Mode Selectable
- Aperture Correction Adjustment
- Contrast Adjustment
- Gamma Adjustment
- OSD Setup Menu

PIH-7000/7600 Color Fast Dome Camera

- Super HAD CCD
- 17X Optical Zoom Lens 3.9 ~ 66.3mm (PIH-7000)
- 22X Optical Zoom Lens 3.9 ~ 86mm (PIH-7600)
- 480 TVL Color Resolution
- 0.3 Lux Sensitivity
- Auto or Manual Focus
- Auto or Manual Iris
- Back Light Compensation
- Auto White Balance

Flexible System Configuration

Flexible configuration options mean the system can be as simple as single fast dome with one keyboard or as encompassing as 64 domes with comprehensive matrix switching, PC control, multiple control points and even Digital Video Recording. Such flexibility means future expansion is easily facilitated and these new domes can also be installed as part of existing Li-Lin system.

- PIH-7000SP Protocol Converter: when different control keyboards are used to control Li-Lin's Fast Dome camera, this converter must be used to convert the protocol.

Please see manual for supported control keyboards.

- PIH-800EK Keyboard Expander: the keyboard expander is to connect up to 4 keyboards controller (PIH-800II) when matrix switcher is not required.

Control Keyboards

PIH-800II Keyboard is used to control Fast Dome Camera, Matrix and Matrix Receiver.

RS-485 control interface allows one single keyboard controlling 1 to 64 Fast Dome cameras. Up to 8 keyboards can be connected to one Fast Dome system.



PIH-7000SP

Features for Both Day & Night and Color Fast Dome Cameras

- 360° Continuous Rotation
- 180° Instant Flip
- 1~255° / second Preset Speed
- 0.18° ~ 180° Manual Pan / Tilt Speed
- 1 ~ 255 seconds Preset Dwell
- 360° / second For Preset Recall and Alarm Trigger
- 128 Presets
- Auto Touring
- 6 Alarm Inputs (expandable to 64) and 1 Output
- Two Types Alarm Response Mode: Lock and Release

Flexible Mounting Options for both Indoor and Outdoor

The small size of the fast dome and the attractive external IP68 rated housings allow simple and high degree of protection installation in a wide range of applications.



PIH-510L



PIH-510H



PIH-510G

Dome Configuration

Mounting Type	Models Required	PIH-7000 PIH-7600 PIH-7625	PIH-303B PIH-303BX	PIH-303P	PIH-510L	PIH-510H	PIH-510G	PIH-CM	PIH-PM
 Indoor Wall Mount		✓							
 Indoor Hard Ceiling Mount		✓							
 Indoor Ceiling Mount		✓	✓						
 Indoor Pendant		✓		✓					
 Outdoor Wall Mount		✓			✓				
 Outdoor Pendant		✓				✓			
 Outdoor Corner Mount		✓			✓			✓	
 Outdoor Pole Mount		✓			✓				✓
 Outdoor Pole Mount		✓					✓		

Specifications

Model	PIH-7000PL PIH-7600PL	PIH-7000PF PIH-7600PF	PIH-7000NL PIH-7600NL	PIH-7000NF PIH-7600NF	PIH-7625PL	PIH-7625PF	PIH-7625NL	PIH-7625NF
System	PAL		NTSC		PAL		NTSC	
Video	Color		Color		Color / Mono		Color / Mono	
Power Supply	24Vac	90-260Vac	24Vac	90-260Vac	24Vac	90-260Vac	24Vac	90-260Vac
Input Voltage	12Vac				12Vac			
Power Consumption	13W				13W			
Optical Zoom	17X (PIH-7000 Series) 22X (PIH-7600 Series)				25X			
Zoom Speed	Tele~Wide : 5 sec (PIH-7000 Series) Tele~Wide : 6 sec (PIH-7600 Series)				Tele~Wide : 3.5 sec (Fast) Tele~Wide : 6 sec (Medium) Tele~Wide : 52 sec (Slow)			
Image Device	[Super HAD CCD] 1/4" Interline Transfer CCD				[ExView HAD CCD] 1/4" Interline Transfer CCD			
Color / Mono Switch (IR Cut Filter)	-				ON (Color) / OFF (Monochrome) Auto (When light drops below 10~15Lux, auto switch from color to mono, When light exceeds 30~35Lux, auto switch from mono to color)			
Total No. of Pixels	795(H) x 596(V) 470,000 pixels		811(H) x 508(V) 410,000 pixels		795(H) x 596(V) 470,000 pixels		811(H) x 508(V) 410,000 pixels	
Scanning System	2:1interlace, 625 lines 50 fields / sec		2:1interlace, 525lines 60 fields / sec		2:1interlace, 625 lines 50 fields / sec		2:1interlace, 525lines 60 fields / sec	
Horizontal & Vertical Synchronization	15.625KHz, 50Hz		15.734KHz, 60Hz		15.625KHz, 50Hz		15.734KHz, 60Hz	
Synchronization	Internal				Internal			
Minimum Illumination	0.3Lux at F1.4 (PIH-7000 Series) 0.3Lux at F1.6 (PIH-7600 Series)				0.01Lux at F1.6 (Mono) 0.1Lux at F1.6 (Color)			
Horizontal Resolution	480 TVL				570 TVL (Mono), 480 TVL (Color)			
S/N Ratio	More Than 50dB				More Than 50dB			
Auto Gain Control	ON (adjustable to 20dB) / OFF				8dB(Low), 22dB(Medium), 36dB(High)			
BLC	ON (Background Video Level Adjustable) / OFF				ON(Background Video Level Adjustable)/OFF			
BLC Zone	Fix				Top, Bottom, Left, Right, Center			
Sensitivity Enhancement	-				ON/OFF/Auto			
White Balance	Auto / Fix (Indoor or Outdoor)				Auto Correction / Auto Tracking / Fix (Indoor or Outdoor)			
Iris Control	Auto/Manual				Auto/Manual (Fast or Medium Speeds)			
Video Focus	Auto / Manual 0.005m (Wide) - 1.4m (Tele) (PIH-7000 Series) 0.005 (Wide) - 2.2m (Tele) (PIH-7600 Series)				Auto / One Shot / Manual 0.07m (Wide) - 1m (Tele)			
Flickerless	-				ON/OFF			
Gamma Adjustment	-				8 Levels			
Contrast Adjustment	-				16 Levels			
Aperture Correction	-				Horizontal & Vertical Aperture Correction Slice Level: 16 Levels Vertical Aperture Correction Slice Level: 8 Levels Horizontal Aperture Correction (Low Band) gain Level: 4 Levels Horizontal Aperture Correction (High Band) Gain Level: 4 Levels Vertical Aperture Correction Gain Control: 16 Levels Horizontal & Vertical Aperture Correction Gain: 16 Levels			
Video Output	CVBS 1.0Vpp / 75Ω BNC				CVBS 1.0Vpp / 75Ω BNC			

Model	PIH-7000PL PIH-7600PL	PIH-7000PF PIH-7600PF	PIH-7000NL PIH-7600NL	PIH-7000NF PIH-7600NF	PIH-7625PL	PIH-7625PF	PIH-7625NL	PIH-7625NF
Focal Length	3.9-66.3mm (PIH-7000 Series) 3.9-86mm (PIH-7600 Series)				3.9-95mm			
Aperture (F)	F1.4-F3.6 (PIH-7000 Series) F1.6-F3.6 (PIH-7600 Series)				F1.6-F3.7			
Angle of View	Wide: 38.2°(V) 50.9°(H) Tele: 3.2°(V) 4.2°(H) (7000 Series) Wide: 38.2°(V) 50.9°(H) Tele: 1.8°(V) 2.4°(H) (7600 Series)				Wide: 39.2°(V) 51.9°(H) Tele: 1.6°(V) 2.2°(H)			
Pan Travel	360° Continuous				360° Continuous			
Tilt Travel	-5° ~ +95°				-5° ~ +95°			
Pan/Tilt Accuracy	±0.25°				±0.25°			
Manual Pan/Tilt Speed	0.18° ~ 180° / sec				0.18° ~ 180° / sec			
Preset Pan/Tilt Speed	1° ~ 255° / sec				1° ~ 255° / sec			
Preset Dwell Time	1 ~ 255 sec				1 ~ 255 sec			
Preset Positions	128 Positions				128 Positions			
Preset Group	4 to organize				4 to organize			
Instant Flip	180°				180°			
Preset Recall Speed	360° / sec				360° / sec			
Alarm Trigger Speed	360° / sec				360° / sec			
Address Setting	1-64				1-64			
Control Interface	RS-485				RS-485			
Cable Requirement	UL 24AWGx2C Twisted Pair (recommend)				UL 24AWGx2C Twisted Pair (recommend)			
Alarm Input	6 Inputs (expandable to 64)				6 Inputs (expandable to 64)			
Alarm Output	1 to organize (NO or NC)				1 to organize (NO or NC)			
Alarm Response Mode	Lock or Release				Lock or Release			
Operation Setting	-				On Screen Setup Menu			
Operation Temperature	-5°C ~ +50°C				-5°C ~ +50°C			
Operation Humidity	0% ~ 90%				0% ~ 90%			
Height	208mm / 8.3 Inch				208mm / 8.3 Inch			
Diameter	145mm / 5.6 Inch				145mm / 5.6 Inch			
Weight	2.5 Kg				2.5 Kg			