



IPR424X / IPR428X

DAY & NIGHT 1080P HD VARI-FOCAL IR IP CAMERA



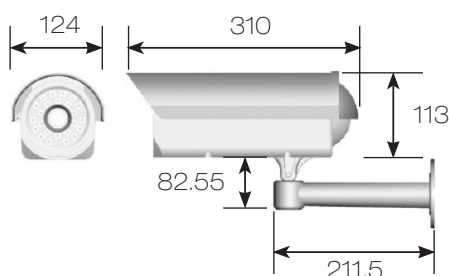
As with all Pro series cameras, the 1080P HD Vari-Focal IR IP Camera IPR424X / IPR428X incorporates Sense up+, a unique technology that successfully delivers stunning video in low-light conditions. Utilizing intelligent image signal processing, AGC control, and 3D Noise Reduction, this model successfully delivers the ultimate low-light image without motion blur. The IPR424X / IPR428X is capable of producing four independent video streams, different streams can be set for different applications, depending on the individual user requirements. The IP66-rated housing is designed to help the camera body withstand rain and dust and ensures operation under a multitude of harsh weather conditions.

FEATURES :

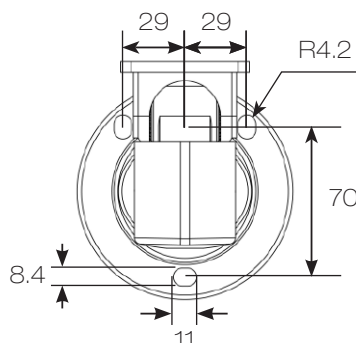
- Full HD 2 megapixel CMOS image sensor
- True H.264 AVC/MPEG-4 part 10 real-time Video compression
- H.264 and Motion JPEG multi-profile Video streaming
- 3D Noise Reduction (MCTF)
- 2D WDR function
- Digital PTZ supported
- Face / tampering / audio / motion / alarm detection
- Cable managed housing and bracket
- High efficiency IR LED, Radiant distance up to 55m
- Day & Night (IR cut removable)
- 2-way audio supported
- Digital I/O : 1 in, 1 out
- ONVIF supported

DIMENSIONS : (Unit : mm)

Body : 124 x 113 x 310 (W x H x D) Bracket : 211.5(L)



INSTALLATION HOLE SITE DIAGRAM :



SPECIFICATION :

Name		Day & Night 1080P HD Vari-focal IR IP Camera	
Model		IPR424ESX3.6	IPR428ESX3.6
Lens	Focal length	3.3 – 12 mm	
	Iris	F1.4	
	Angle of view	H	79.3° – 29.8°
		V	59.4° – 22.4°
D		99° – 37.3°	
Pick up element		1/2.7" CMOS image sensor	
Effective pixels		1920 (H) x 1080 (V) = 2,073,600 (pixel)	
Chip size		5.856mm (H) x 3.276mm (V)	
Scanning system		Progressive scan	
Infrared cut filter		Auto / schedule / day (color) / night (mono)	
Min. illumination		0.1 Lux at F1.4 (Low light mode) / 0 Lux with IR LED on	
White balance		Auto / tungsten / indoor / fluorescents1 / fluorescents2 / outdoor1 / outdoor2	
Back light compensation		Off / on	
Electronic shutter		1/30s – 1/8000s	
Sense up		Off / 1 frame / 2 frames / 3 frames / 7 frames	
Sense up +		Yes	
Auto gain control		36 dB variable gain	
3D Noise Reduction		Off / 1 – 32 selectable	
2D WDR		Off / on	
Privacy masking		Off / on (4 zones)	
Image effects		Brightness, Contrast, Hue, Saturation, Sharpness, Mirror, Flip	
Live Video output		CVBS 1.0Vp-p, 75 ohm, BNC connector	
Audio in / output		Mono, 1.4 Vp-p , 50 KΩ , terminal connector	
IP rating		IP66	
Window		Ø 78 heat resistant glass	
Infrared LED	Peak wavelength	850nm	
	Beam spread	30°	
	Radiant distance	55M	
Operating temperature		-40°C – +50°C (-40°F – 122°F)	
Dimension		Body : 124mm(W) x 113mm(H) x 310mm(D) , Bracket : 211.5mm(L)	
Weight		2200g	
Power supply		AC24V (±10%)	AC100 – 240V (±10%)
		PoE+ (IEEE 802.3at compliant)	
Power consumption		17W (PoE+, 20W)	

Network			
Video compression		H.264 , Motion JPEG	
Resolution		1080P(1920 x 1080), 720P(1280 x 720), D1(720 x 480), CIF(352 x 240)	
Multiple profile	Profile #1	H.264 : up to 30 FPS @ 1920 x 1080, MJPEG : up to 30 FPS @ 720 x 480	
	Profile #2	H.264 : up to 30 FPS @ 1280 x 720, MJPEG : up to 30 FPS @ 352 x 240	
	Profile #3	H.264 : up to 30 FPS @ 1920 x 1080, MJPEG : up to 30 FPS @ 1280 x 720	
	Profile #4	H.264 : up to 30 FPS @ 720 x 480, MJPEG : up to 15 FPS @ 1920 x 1080	
Video streaming		RTP/HTTP, RTP/TCP, RTP/UDP, Multicast	
Video bitrate		128Kbps – 5Mbps	
		Frame rate and bit rate controllable on-the-fly	
		VBR / CBR / GOP supported	
Security		Base64 HTTP encryption	
		Multiple user access levels with password protection	
		10 user accounts available	
Users		8 simultaneous users	
ePTZ & digital zoom		Yes, ROI is supported	
OSD		Text overlay for date, time, and camera name	
Alarm function		Alarm / motion / tampering / face / alarm detection triggering recording into SD card	
CPU, memory		Image upload over FTP and E-mail by face / tampering / audio / motion detection	
Maintenance		Embedded SoC ARM11, 528MHz, 256MB DDR2, 256MB flash memory	
Network interface		Firmware update via HTTP	
		Firmware available at web site	
PC requirement		10Mbps / 100Mbps Base-T, RJ-45	
		OS : Windows 2000, Windows XP, Windows Vista, Windows 7, Windows 8	
		Browser : Windows Internet Explorer 6.0 or above	
		CPU : intel pentium 4 1.8GHz or above	
Network protocols		RAM : 1GB or above, independent display card	
Mobile phone		IP, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, RTSP, RTCP, Telnet, ICMP, IGMP, ONVIF Profile S, SNMP, SIP, Bonjour	
System integration		iPhone, iPad, and Android support	
Central management system		ONVIF & LILIN HTTP API	
Video display		CMX 3.6 / NAV 1.0 support	
OS		LILIN Universal ActiveX & LILIN Java Applet	
Two-way audio		Embedded Linux 2.6.32	
SD card recording		G.711 / PCM	
Alarm input / output		Support SD/SDHC card for circular recording (card is not included)	
		Digital 1 input (TTL, +3 – 5VDC) / 1 Output (MOS Relay contact N.O., Load max. 40VDC/300mA)	



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