



**Creativity Progress & Excellence**

Network Product





# IPR424X / IPR428X

**IMEGAPRO**

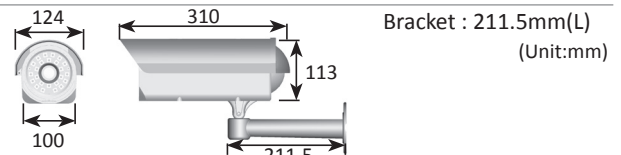
Day & Night 1080P HD Vari-Focal  
IR IP Camera



## 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 detection alarm function
- 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** Body : 124mm(W) x 113mm(H) x 310mm(D)



IP CAMERA SERIES				
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	Ø78 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	
Security	VBR / CBR / GOP supported	
	Base64 HTTP encryption	
	Multiple user access levels with password protection	
Users	10 user accounts available	
ePTZ & Digital Zoom	8 simultaneous users	
OSD	Yes, ROI is supported	
Alarm Function	Text overlay for date, time, and camera name	
	Alarm / motion / tampering / face detection triggering recording into SD card	
CPU, Memory	Image upload over FTP and E-mail by face / tampering / audio / motion detection	
	Embedded SoC ARM11, 528MHz, 256MB DDR2, 256MB flash memory	
Maintenance	Firmware update via HTTP	
	Firmware available at web site	
Network Interface	10Mbps / 100Mbps Base-T, RJ-45	
PC Requirement	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	
	IP, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, RTSP, RTCP, Telnet, ICMP, IGMP, ONVIF, SNMP	
Mobile phone	iPhone, iPad, and Android support	
System Integration	ONVIF & LILIN HTTP API	
CMX	CMX HD 3.6 support	
Video Display	LILIN Universal ActiveX & LILIN Java Applet	
OS	Embedded Linux 2.6.32	
Two-way Audio	G.711 / PCM	
SD Card Recording	Support SD/SDHC card for circular recording (card is not included)	
Alarm Input / Output	Digital 1 input (TTL, +3 – 5VDC) / 1 Output (MOS Relay contact N.O., Load max. 40VDC/300mA)	