





# LR7224X / LR7228X

Network Products \_L Series

**IMEGAPRO**

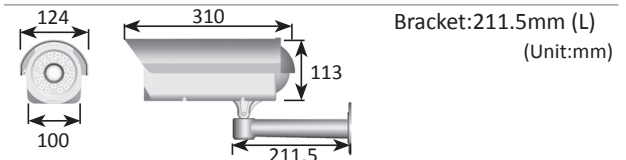
## Day & Night 1080P HD Vari-Focal IR IP Camera



### Features

- Full HD 2 megapixel CMOS image sensor
- True H.264 AVC/MPEG-4 part 10
- H.264 and Motion JPEG triple video streaming
- 3D noise reduction (MCTF)
- 2D WDR function
- Digital zoom supported
- 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



IP CAMERA SERIES			
Day & Night 1080P HD Vari-Focal IR IP Camera			
Model	LR7224EX3.6	LR7228EX3.6	
Lens	Focal Length	3.3 – 12 mm	
	Iris	F1.4	
	Angle of View	H	59.6° – 22.6°
		V	33.5° – 12.9°
D		68.4° – 25.9°	
Pick Up Element	1/2.5" CMOS image sensor		
Effective Pixels	1920 (H) x 1080 (V) = 2,073,600 (pixel)		
Chip Size	5.70mm (H) x 4.28mm (V)		
Scanning System	Progressive Scan		
Infrared Cut Filter	Auto / Schedule / Day (Color) / Night (Mono)		
Min. illumination	0.25 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	1/30(25)s – 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 / x2 / x3 / x4		
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)
Maximum Frame Rate	H.264 : up to 15 fps @ 1920 x 1080 , 30fps @ 1280 x 720 , 30fps @ 720 x 480 Motion JPEG : up to 15 fps @ 1920 x 1080 , 30 fps @ 720 x 480 , 30 fps @ 352 x 240
Video Streaming Protocol	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
Digital Zoom	Yes
OSD	Text overlay for date, time, and camera name
Alarm Function	Alarm / motion detection triggering recording into SD card
	Image upload over FTP and E-mail by audio / motion detection
CPU, Memory	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
	Browser : Windows Internet Explorer 6, 7, 8
	CPU : Intel Pentium 4 1.8GHz or above RAM : 1GB or above, Independent Display Card
Network Protocols	IP, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, RTSP, RTPC, Telnet, ICMP, IGMP, ONVIF
Mobile phone	iPhone, iPad, and Android support
System Integration	ONVIF & LILIN HTTP API
CMX	CMX HD 3.6 support
Video Display OS	LILIN Universal ActiveX & LILIN Java Applet Embedded Linux 2.6.32
Two-way Audio	G.711 / PCM
SD Card Recording	Support Micro SD/SDHC card for circular recording (card is not included)
Alarm Input / Output	Digital 1 input (TTL, +3 – 5V) / 1 Output (N.O.)