



# ZR2322X

**IMEGAPRO**

## Day & Night 1080P HD Auto Focus Dome 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
- Auto focus with zoom / focus motorized lens
- 3D noise reduction (MCTF)
- 2D WDR function
- Digital PTZ supported
- Face / Tampering / Audio / Motion detection alarm function
- Ceiling mount and Embedded mount installation
- High efficiency IR LED, radiant distance up to 25m
- Day & Night (IR cut removable)
- 2-way audio supported
- Digital I/O : 1 in, 1 out
- ONVIF supported

### Dimensions $\Phi 150 \times 134\text{mm}$



IP CAMERA SERIES			
Day & Night 1080P HD Auto Focus Dome IR IP Camera			
Model	ZR2322EX3		
Lens	Focal Length	3 – 10.5 mm (zoom / focus motorized)	
	Iris	F1.4	
	Angle of View	H	91.2° – 25.5°
		V	68.4° – 19.1°
D		114° – 31.9°	
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		
Electrical Shutter	1/30s – 1/8000s		
Sense Up	Off / 1 Frame / 2 Frames / 3 Frames / 7 Frames		
Sense Up Plus	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		
Auto Focus	One Push		
Live Video Output	CVBS 1.0Vp-p, 75 ohm, RCA connector		
Audio In / Output	Mono, 1.4 Vp-p, 50 K $\Omega$ , 3.5mm phone jack		
Infrared LED	Peak Wavelength	850nm	
	Beam Spread	30°	
	Radiant Distance	25M	
Operating Temperature	-25°C – +50°C (-13°F – 122°F)		
Dimension	$\Phi 150 \times 134\text{mm}$		
Weight	640g		
Power Supply	DC12V $\pm 10\%$ / PoE (IEEE 802.3af compliant)		
Power Consumption	DC12V, 10W / PoE, 11.2W		

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	
Users	Multiple user access levels with password protection	
	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	
Network Interface	Firmware available at web site	
	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 Micro 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)	