



## ZR7424X / ZR7428X

DAY & NIGHT 1080P HD AUTO FOCUS IR IP CAMERA



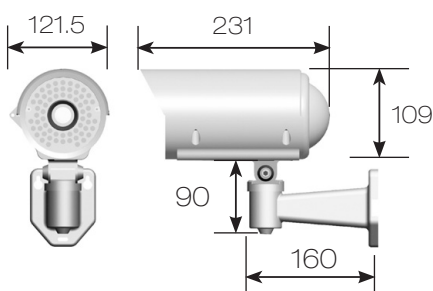
As with all Z series Auto Focus cameras, the 1080P HD Vari-Focal IR IP Camera ZR7424X/ZR7428X incorporates Sense up+, a unique technology that successfully delivers stunning video in low-light conditions. Utilizing intelligent image signal processing, AGC control, and 3D Noise Reduction, this model successfully delivers the ultimate low-light image without motion blur. Offering flexible Auto Focus installation feature, ZR7424X/ZR7428X fits into a range of environments such as retail, home, office, and hotel security. The ZR7424X/ZR7428X 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 :

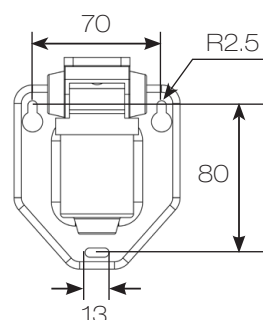
- Full HD 2 megapixel CMOS image sensor
- True H.264 AVC/MPEG-4 part 10 real-time video compression
- H.264 and Motion JPEG multi-profile video streaming
- Auto focus with zoom / focus motorized lens
- 3D noise reduction (MCTF) / 2D WDR function
- Digital PTZ supported
- Face / Tampering / Audio / Motion detection alarm function
- Cable managed housing and bracket
- High efficiency IR LED, radiant distance up to 45m
- Day & Night (IR cut removable)
- 2-way audio supported
- Digital I/O : 1 in, 1 out
- ONVIF Profile S supported

### DIMENSIONS : (Unit : mm)

Body : 121.5 x 109 x 231 (W x H x D) Bracket : 160(L)



### INSTALLATION HOLE SITE DIAGRAM :



## SPECIFICATION :

Name		Day & Night 1080P HD Auto Focus IR IP Camera	
Model		ZR7424EX3	ZR7428EX3
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 +		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, BNC connector	
Audio in / output		Mono, 1.4 Vp-p , 50 KΩ , Terminal connector	
IP rating		IP66	
Window		Ø92 Heat Resistant Glass	
Infrared LED	Peak wavelength	850nm	
	Beam spread	30°	
	Radiant distance	45M	
Operating temperature		-40°C - +50°C (-40°F - 122°F)	
Dimension		Body : 121.5mm(W) x 109mm(H) x 231mm(D) , Bracket : 160mm(L)	
Weight		1700g	
Power supply		AC24V (±10%)	AC100 - 240V (±10%)
		PoE+ (IEEE 802.3at compliant)	
Power consumption		15W ( PoE+, 17W )	

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 detection triggering recording into SD card Image upload over FTP and E-mail by face / tampering / 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, Windows 8 Browser : Windows Internet Explorer 6.0 or above 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, RTCP, Telnet, ICMP, IGMP, ONVIF Profile S, SNMP, SIP, Bonjour
Mobile phone		iPhone, iPad, and Android support
System integration		ONVIF & LILIN HTTP API
Central management system		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)

