



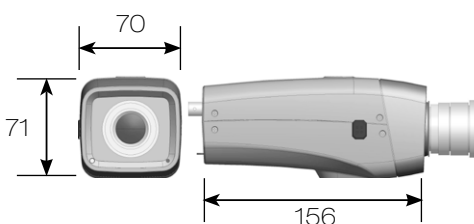
Auto Focus IP camera ZG1232X offers Auto Back Focus function, with the built-in IEEE 802.3af compliant PoE and only – 150mm diameter in size, ZG1232X Auto Focus IP camera is able to meet a wide variety of needs for indoor and outdoor surveillance. Featuring Full HD resolution with superb image quality up to 15 FPS frame rate, are equipped with a removable IR-cut filter, built-in Intelligent Video Surveillance features such as face, tampering, audio, motion detection Alarm function, 3D Noise Reduction, WDR enhancement for un-paralleled visibility in high contrast environments, Automatic Gain Control (AGC) form of amplification to produce usable images, and securing high video quality in providing accurate identification around the clock.

### FEATURES :

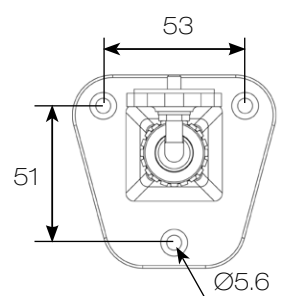
- Full HD 3.27 megapixel CMOS image sensor
- True H.264 AVC/MPEG-4 part 10 real-time video compression
- H.264 and Motion JPEG multi-profile video streaming
- Auto Back Focus function
- 3D Noise Reduction (MCTF) / 2D WDR function
- Digital PTZ supported
- Face / tampering / audio / motion / alarm detection
- Day & Night (IR cut removable)
- 2-way audio supported
- Built-in highly sensitive microphone
- Digital I/O : 1 in, 1 out
- ONVIF supported
- RS-485 supported

### DIMENSIONS : (Unit : mm)

70mm(W) x 71mm(H) x 156mm(D)



### INSTALLATION HOLE SITE DIAGRAM :



## SPECIFICATION :

Name	Day & Night 3MP HD Auto Focus IP Camera		
Model	ZG1232EX3		
Lens	Focal Length	3.1 – 9 mm (CS Mount)	
	Iris	F1.3	
	Angle of View	H	99.4° – 34.8°
		V	73.1° – 26.1°
D		127.7° – 43.5°	
Pick Up Element	1/2.8" CMOS image sensor		
Effective Pixels	2096 (H) x 1561 (V) = 3,271,856 (pixel)		
Chip Size	7.96mm (H) x 7.61mm (V)		
Scanning System	Progressive Scan		
Infrared Cut Filter	Auto / Schedule / Day (Color) / Night (Mono) / External control		
Min. Illumination	0.15 Lux at F1.3 (Low Light Mode)		
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 / Auto / x2 / x3 / x4		
Privacy Masking	Off / On (4 zones)		
Image Effects	Brightness, Contrast, Hue, Saturation, Sharpness, Mirror, Flip		
Auto Focus	One Push (Auto Back Focus)		
Live Video Output	CVBS 1.0Vp-p, 75 ohm, BNC connector		
Audio In / Output	Mono, 1.4 Vp-p , 50 K $\Omega$ , 3.5mm phone jack		
Operating Temperature	-25°C – +50°C (-13°F – 122°F)		
Dimension	70mm(W) x 71mm(H) x 156mm(D)		
Weight	450g		
Power Supply	DC12V $\pm$ 10% / PoE (IEEE 802.3af compliant)		
Power Consumption	DC12V, 7W / PoE, 8W		

<b>NETWORK</b>		
Video compression	H.264 , Motion JPEG	
Resolution	3MP(2048 x 1536), 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
	Profile #5	H.264 : up to 15 FPS @ 2048 x 1536 , MJPEG : up to 15 FPS @ 720 x 480
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 / alarm 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	
Mobile phone and PDA	iPhone, iPad, and Android support	
System Integration	ONVIF & LILIN HTTP API	
Central management system	CMX 3.6 / NAV 1.0 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)	
Control Interface	RS-485 , Half-Duplex , support MLP2 , Pelco D/P protocols	