

- 8MP Long Range IR Varifocal Bullet Network Camera
- GW-UWZ86RC88L (LZ) (-A)



- Features

- 8MP, 1/2.7" CMOS sensor
- 8MP resolution 3840*2160@20fps Smart encoding
- H.265, H.264 Smart Encoding
- Smart Human body detection and Vehicle detection
- Extra-ISP technology ensures high image quality in low illumination environment
- 120dB true WDR technology enables clear image in strong light scene
- Support image flip, ROI, Watermark
- 2D/3D-DNR, Slow Shutter, light control, White Balance, Defog
- Support Audio abnormal Detection
- Smart IR, up to 80m (262ft) IR distance
- IP67 protection
- 3-Axis
- Built in Mic(optional);
- Junction Box is optional.

▪ Technical Specifications

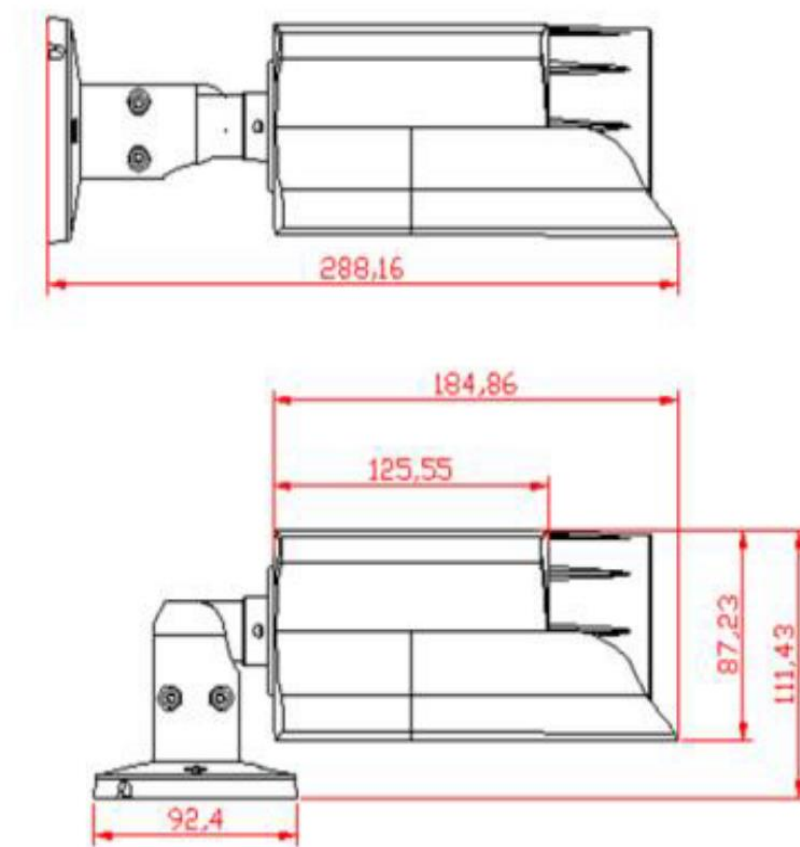
Camera	GW-UWZ86RC88L(-A)			GW-UWZ86RC88LZ(-A)		
Sensor	1/2.7", 8.0 megapixel, SmartSens SC8238 CMOS					
Soc processor	SigmaStar SSC338G, Dual-Core A7 1.0GHz, Mount 2Gb DDR3					
Shutter	Auto/Manual, 1 ~ 1/100000s					
Min. Illumination	Color: 0.01Lux (F2.0, AGC ON) 0Lux with IR					
WDR	2-Exposure optical WDR up to 120DB					
Day/Night	IR-cut filter with auto switch (ICR)					
S/N	>52dB					
Illuminator Number	4 (IR Array)					
IR Range	Up to 80m (262ft) IR range					
Wavelength	850nm					
IR On/Off Control	Auto/Manual, IR can be turned off					
Defog	Digital Defog					
Lens						
Focal length	2.8-12mm varifocal lens			2.8-12mm motorized lens		
Field of View	Horizontal: 96.23°~ 31.69° Vertical: 69.98°~ 24.28° Diagonal: 125.10°~37.39°					
DORI Distance	Lens(mm)	Detect(m)	Observe(m)	Recognize(m)	Identify(m)	
	2.8	6.3	25.2	12.6	6.3	
	12	270.3	108.1	54.1	27	
Video						
Max. Resolution	3840 x 2160					
Video Compression	H.265, H.264 Smart Encoding					
H.264 code profile	Baseline profile, Main Profile					
Frame Rate	Main Stream: 20fps@3840x2160, 30fps@5MP(2880x1620)/4MP(2560x1440)/3MP(2304x1296)/1080P Sub stream: 30fps@720P/D1/640x360/CIF					

	Third stream: 30fps@D1/(640x360)/CIF
Video Bit Rate	128 Kbps~8 Mbps
OSD	Up to 8 OSDs
Privacy Mask	Up to 4 areas
ROI	Up to 8 areas
Motion Detection	Up to 22 x 18 cells
Audio	
Audio Standard	G.711-u/G.711-a/AAC
Built-in Mic	Optional
With Speaker	None
Image	
White Balance	Auto/Outdoor/Fine Tune/Sodium Lamp/Locked/Auto2
Digital noise reduction	2D/3D DNR
Smart IR	Support
Flip	Normal/Vertical/Horizontal/180°
Low Shutter	Support
Smart Illumination	Support Auto / Manual, Led ON/OFF control
BLC	Support
Smart	
Behavior Analysis	None
Target Detection	Human Body Detection
Detection Distance	15 m
Network	
Network Port	10/100M Base-TX Ethernet
Protocol	IPv4, IPv6, P2P, ICMP, ARP, TCP, UDP, DHCP, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, PPPoE, SMTP, SSL, TLS.
P2P	Yes
Compatible Integration	ONVIF 17.12 (Profile S, Profile T), SDK
Client Software	Guard Station -- (PC) Guard Viewer -- (Mobile APP)



	Guard Tool -- (IP tool)
Web Browser	Plug-in required live view: IE9+, Chrome 41 and below, Firefox 52 and below
	Plug-in free live view: Chrome 57.0+, Firefox 58.0+, Edge 16+, Safari 11+
Media	CMS, Android, IOS
Storage	FTP; NAS,
General	
Network Port	1-RJ45, 100Mbps,
Power Supply	12 VDC $\pm$ 10%, PoE(802.3af)
Power Consumption	Max 8W
Operating Temp.	-30°C -(+60)°C, 10%-90%RH
Protection	IP67
lightning Protection	4KV
Casing Material	Metal

- Dimensions (mm)



- Accessories



Junction Box GW-FSH-04A