

- 8MP IR Varifocal Turret Network Camera
- GW-UDB98RC88LZ(-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 30m (98ft) IR distance
- IP67 protection
- 3-Axis
- Built in Mic(optional);
- Junction Box is optional.

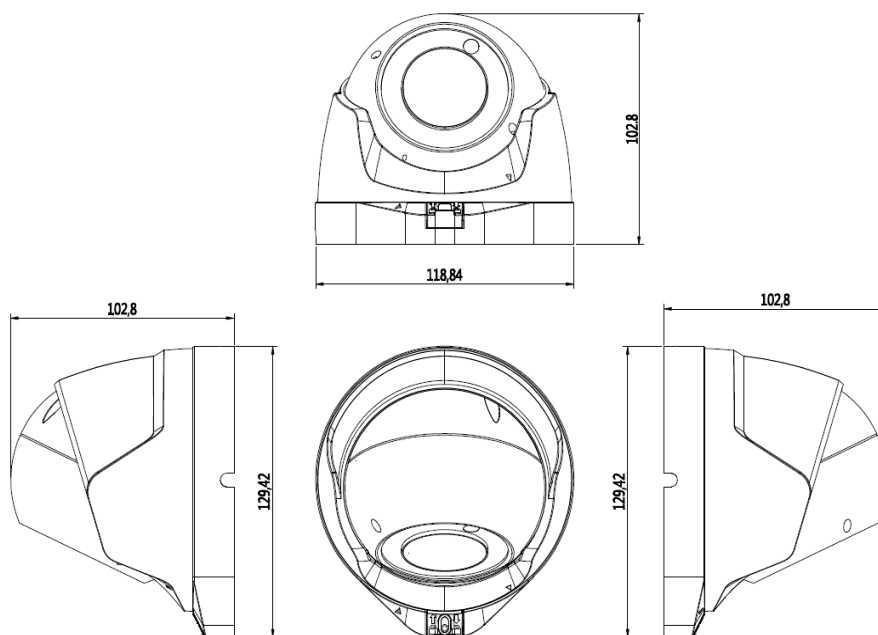
▪ Technical Specifications

Camera					
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	18 (SMD IR LED)				
IR Range	Up to 30m (98ft) IR range				
Wavelength	850nm				
IR On/Off Control	Auto/Manual, IR can be turned off				
Defog	Digital Defog				
Lens					
Focal length	2.8-8mm Motorized lens				
Field of View	Horizontal: 96.23°~37.5° Vertical: 69.98°~ 20.7° Diagonal: 125.10°~43.3°				
DORI Distance	Lens(mm)	Detect(m)	Observe(m)	Recognize(m)	Identify(m)
	2.8	63	25.2	12.6	6.3
	8	235	96	41	29
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-10A