

- 5MP WDR IR Varifocal Eyeball Network Camera
- GW-UDB98RC85MZ



- Features

- High quality image with 5MP, 1/2.7"CMOS sensor
- 5MP resolution 2880*1620@25fps Smart encoding
- H.265, H.264 Smart Encoding
- Smart Human body Detection
- Extra-ISP technology ensures high image quality in low illumination environment
- 120dB true WDR technology enables clear image in strong light scene
- Support 9:16 Corridor Mode, Rotation 90°, 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 (optional)

▪ Technical Specifications

Camera					
Image Sensor	1/2.7", 5.0 megapixel, progressive scan, CMOS				
Minimum Illumination	Color: 0.01 lux (F1.6, AGC ON) 0 lux with IR on				
Day/Night	IR-cut filter with auto switch (ICR)				
Shutter	Auto/Manual, 1 ~ 1/100000s				
Adjustment angle	Pan: 0° ~ 360°	Tilt: 0° ~ 90°		Rotate: 0° ~ 360°	
S/N	>56dB				
Illuminator Number	18 (SMD IR LED)				
Illuminator On/Off Control	Auto; Manual				
Illumination Distance	Up to 30m				
Lens					
Focal length	2.8-12mm				
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
Events					
Basic Detection	human body detection				
	Motion detection, Tampering alarm, Audio detection				
Video					
Video Standard	Ultra 265, H.265, H.264, MJPEG				
Video Resolution	Main Stream: 25fps@5MP(2880x1620)/4MP(2560x1440), 30fps@3MP(2304x1296)/1080P Sub stream: 30fps@720P/D1/640x360/CIF Third stream: 30fps@D1/(640x360)/CIF				

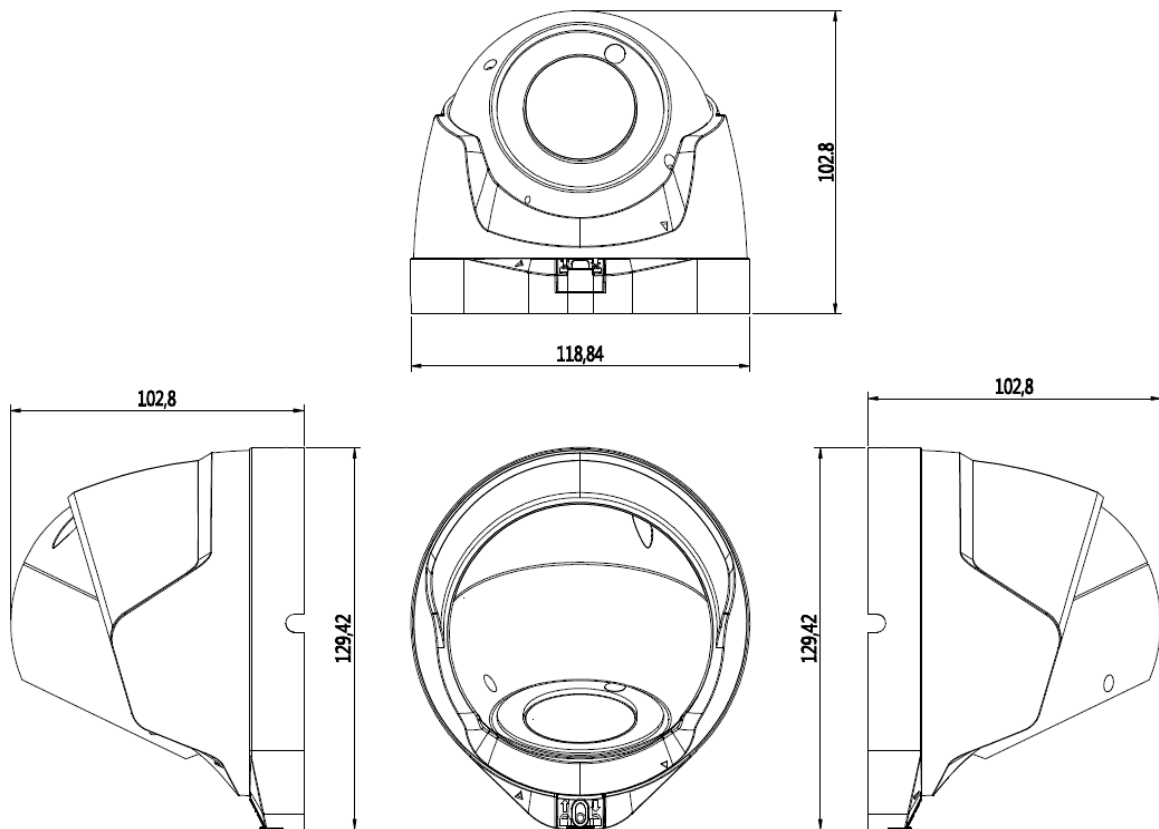


DATASHEET

Video Bitrates	128 Kbps~16 Mbps, VBR/CBR
Day/Night	Auto/Color/(B/W)/Timing
WDR	2-Exposure Line optical WDR up to 120DB
White Balance	Auto/Indoor/Outdoor
AGC/BLC/HLC	Support
DNR	2D/3D DNR
OSD	Up to 8 OSDs
Motion Detection	Up to 4 areas
Privacy Masking	Up to 4 areas
ROI	Up to 8 areas
Motion Detection	Up to 22 x 18 cells
Mirror	Yes
Flip	Normal/Vertical/Horizontal/180°
Audio	
Audio Standard	G.711-u/G.711-a/AAC
Built-in Mic	Optional
Network	
Network Port	RJ-45 (10/100 Base-T).
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	< 6W
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