



# GX-HTFE866-4K

## 8 MP IR Fisheye WizMind Network Camera





Launched by Galaxy Technology, Galaxy WizMind is a full portfolio of solutions composed of project-oriented products including IPC, NVR, PTZ, XVR, Thermal and software platform which adopts industry-leading deep learning algorithms. Focusing on customer's requirements, WizMind provides precise, reliable and comprehensive AI solutions for verticals.

#### **Series Overview**

With fisheye lens, Galaxy Hunter Fisheye series camera can realize 360° surveillance, and it is widely applied in various scenes such as airports, shopping centers, banks and hotels.

#### **Functions**

#### Smart H.265+ & Smart H.264+

With advanced scene-adaptive rate control algorithm, Galaxy smart encoding technology realizes the higher encoding efficiency than H.265 and H.264, provides high-quality video, and reduces the cost of storage and transmission.

#### Fisheve VR

With intelligent algorithm, Galaxy Fisheye VR technology provides interactive 3-dimensional dynamic view through fisheye image. Galaxy fisheye VR supports various interactive modes, such as original, bowl, cylinder and asteroid, providing more interactive experience.

#### **Heat Map**

Duhua heat map technology is used to display the crowd density and people appearance probability. Display the crowd status by different colors. Generally, the crowd status is the statistics of people quantity in space and time dimensions.

- 8 MP 1/1.7" CMOS image sensor, low luminance, and high definition image.
- Outputs max. 8M (3280 × 2480) @25/30 fps.
- Built-in IR LED, and the max. illumination distance is 10 m.
- Intelligent monitoring: Intrusion, tripwire, heat map, and people counting.
- SMART H.264 +/H.265+, flexible coding, applicable to various bandwidth and storage environments.
- Alarm: 2 in, 2 out; audio: 1 in, 1 out; supports max. 256 G Micro SD card; built-in dual-array Mic and speaker.
- 12 VDC/PoE power supply.
- IP67 and IK10 protection.













#### **People Counting**

With deep learning algorithm, Galaxy People Counting technology can track and process moving human body targets to realize the accurate statistics of enter No., leave No., and In Area No. Working with management platform, it outputs reports to meet your requirements.

#### Protection (IP67, IK10, Wide Voltage)

IP67: The camera passes a series of strict test on dust and soak. It has dust-proof function, and the enclosure can works normal after soaking in 1 m deep water for 30 minutes.

IK10: The enclosure can stand the punch more than 5 times from a 5 kg hammer falling from a height of 40 cm (Impact energy is 20J). Wide voltage: The camera allows  $\pm 30\%$  (for some power supplies) input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.

#### **Cyber Security**

Galaxy network cameras employ a series of security technologies, including security authentication and authorization, access control protocols, trusted protection, encrypted transmission and encrypted storage. These technologies improve the camera's defense against external cyber threats and prevent malicious programs from compromising the device.

Smart Codec

Smart H.265+; Smart H.264+

Technical Specification	on						Main stream: 3280 × 2480@(1–25/30 fps)
Camera							sub stream: 704 × 576@(1–25/30 fps) third stream: 1280 × 960@(1–25/30 fps)
Image Sensor	1/1.7" CMOS						Fisheye mode: 10 (3280 × 2480)
Max. Resolution	3280 (H) × 2480 (V)					Video Frame Rate	1P (4096 × 1024) 2P (2432 × 2432) 1R (1216 × 1216) 2R (2432 × 2432) 4R (2432 × 2432) 1O + 3R (2432 × 2432) *The values above are the max. frame rates of each
ROM	2 GB						
RAM	4 GB						
Scanning System	Progressive						stream; for multiple streams, the values will be subjected to the total encoding capacity.
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100,000 s					Stream Capability	3 streams
Min. Illumination	0.01 Lux@F2.0 (Color, 30 IRE) 0.001 Lux@F2.0 (B/W, 30 IRE) 0 Lux (Illuminator on)					Resolution	3280 × 2480; 2880 × 2160; (3M) 2048 × 1536; 1.3M (1280 × 960); D1 (704 × 576/704 × 480); CIF (352 × 288/352 × 240)
S/N Ratio	> 56 dB					Bit Rate Control	CBR/VBR
Illumination Distance	10 m (32.81 ft) (IR)					Video Bit Rate	H264: 8 kbps-16384 kbps H265: 3 kbps-13891 kbps
Illuminator On/Off Control	Auto/Manual					Day/Night	Auto(ICR)/Color/B/W
Illuminator Number	3 (IR LED)					BLC	Yes
Lens						HLC	Yes
Lens Type	Fixed-focal					WDR	DWDR
Lens Mount	M12					White Balance	Auto; natural; street lamp; outdoor; manual; regional
Focal Length	1.85mm					Gain Control	custom
Max. Aperture	F2.0					Noise Reduction	3D NR
Field of View	Horizontal: 185°; Vertical: 180°					Motion Detection	OFF/ON (4 areas, rectangular)
Iris Control	Fixed					Region of Interest (RoI)	Yes (4 areas)
Close Focus Distance	0.4 m (1.31 ft)					Defog	Yes
	Detect	Observe	Recognize	Identify		Privacy Masking	4 areas
DORI Distance	40.0 m (131.23 ft)	16.0 m (52.49 ft)	8.0 m (26.2 ft)	4.0 m (13.12 ft)		Audio	
Smart Event	(131.2311)	(32.43 11)	(20.2 11)	(13.12 10)		Built-in MIC	Yes
Heat Map	Yes					Audio Compression	PCM; G.711A; G.711Mu; G.726; G.723
Professional, intellige						Alarm	
IVS (Perimeter Protection)	Intrusion; trip	owire				7.101111	No SD card; SD card full; SD card durability warning; SD
,	Supports 4 rules to count the number of people entering, exiting, and staying separately. It will trigger alarm linkage when the number of people who entering, exiting or staying exceeds the threshold. It can display and export reports based on year, month, day, week, day or custom time.  Supports 4 rules to count the number of people in area and will trigger alarm linkage when the average strand time or people number in the area exceeds the threshold. It can display and export reports based on year, month, day, week, day or custom time.					Alarm Event	card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; scene changing; audio detection; voltage detection; external alarm; people counting in area; stay detection; people counting; security exception
People Counting						Network	
						Network Port	RJ-45 (10/100/1000 Base-T)
						SDK and API	Yes
Smart Search	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos					Cyber Security	Video encryption; firmware encryption; configuration encryption; Digest; WSSE; account lockout; security logs; IP/MAC filtering; generation and importing of X.509 certification; syslog; HTTPS; 802.1x; trusted boot; trusted
Video							execution; trusted upgrade
Video Compression	H.265; H.264; H.264H; MJPEG (Only supported by the sub stream)					Network Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; SNMP
Smart Codec	Smart H 265.	+· Smart H 264-	L				, , , , , , , , , , , , , , , , , , , ,

## Wiz Mind | GX-HTFE866-4K

Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P (Only supported by general version)				
User/Host	20				
Storage	FTP; SFTP; Micro SD card (support max. 256 G); NAS				
Browser	IE: IE11, IE10 Chrome: 48.0.2564.116 Firefox: 48.0.2 Edge: 42.17134.1.0				
Management Software	Smart PSS; DSS; DMSS				
Certification					
Certifications	CE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B UL/CUL: UL62368-1 & CAN/CSA C22.2 No. 62368-1-14				
Port					
Audio Input	1 channel (RCA port)				
Audio Output	1 channel (RCA port)				
Alarm Input	2 channel in: 5mA 3V–5 VDC				
Alarm Output	2 channels out: 1,000mA 30 VDC/500mA 50 VDC				
Power					
Power Supply	12 VDC/POE+ (802.3at)				
Power Consumption	Basic: 6.5 W (12 VDC); 6.1 W (PoE) Max. (ICR + IR intensity): 13 W (12 VDC); 13.9 W (PoE) Heating: 3 W (12 VDC); 3 W (PoE)				
Environment					
Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)				
Operating Humidity	≤95%				

-30 °C to +70 °C (-22 °F to +158 °F)

59.8 mm × Φ149.8 mm (2.35" × Φ5.90")

IP67; IK10

Metal

0.79 kg (1.74 lb) 1.21 kg (2.67 lb)

Ordering Information						
Туре	Model	Description				
8MP Camera	GX-HTFE866-4K	8 MP IR Fisheye WizMind Network Camera				
Accessories (Optional)	PFB300C	Ceiling-mount Bracket				
	PFA100	Adapting Plate				
	PFB302S	Wall-mount Bracket				
	PFA132-E	Junction Box				

#### Accessories

### **Optional**







PFB300C Ceiling-mount Bracket

PFA100 Adapting Plate

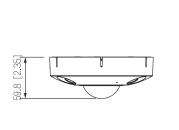
PFB302S Wall-mount Bracket

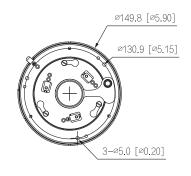


PFA132-E Junction Box

Junction Mount	Celling Mount	Wa <b>ll</b> Mount
PFA132-E	PFA100+PFB300C	PFA100+PFB302S

## Dimensions (mm[inch])





Storage Temperature

Product Dimensions

Protection

Structure

Net Weight

Gross Weight

Casing