

GX-HT728A-AI-LED-28AD

8MP Full-color Active Deterrence Fixed-focal Eyeball WizSense Network Camera





Launched by Galaxy Technology, WizSense is a series of AI products and solutions that adopt independent AI chip and deep learning algorithm. It focuses on human and vehicle with high accuracy, enabling users to fast act on defined targets. Based on Galaxy's advanced technologies, WizSense provides intelligent, simple and inclusive products and solutions.

Series Overview

With advanced deep learning algorithm, Galaxy WizSense 3 Series network camera supports intelligent functions, such as perimeter protection and smart motion detection. In addition, with full-color technology, it provides a better image effect in the condition of low illuminance.

Functions

SMD Plus

With intelligent algorithm, Galaxy Smart Motion Detection technology can categorize the targets that trigger motion detection and filter the motion detection alarm triggered by non-concerned targets to realize effective and accurate alarm.

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.

Full-color

With high-performance sensor and large aperture lens, Galaxy Full-color technology can display clear colorful image in the environment of ultralow illuminance. With this photosensitivity technology, the camera can capture more available light, and display more colorful image details.

Siren and Light Active Deterrence

Galaxy siren and light active deterrence network camera supports light alarm and voice alarm when perimeter event occurs, to realize the deterrence and effective intervention. The camera is built in multiple voices for selection, and supports customized voice importing.

- 8MP, 1/2.8" CMOS image sensor, low illuminance, high image definition
- Outputs max.8MP (3840 \times 2160) @20 fps (Al function enabled by default)and supports 8MP (3840 \times 2160) @25/30 fps (with Al function disabled)
- · H.265 codec, high compression rate, low bit rate
- Built-in warm illuminator, and the max. illumination distance: 30 m
- ROI, Smart H.265+/Smart H.264+, flexible coding, applicable to various bandwidth and storage environments
- Rotation mode, WDR, 3D NR, HLC, BLC, digital
 watermarking, applicable to various monitoring scenes
- Intelligent detection: Intrusion, tripwire (support the classification and accurate detection of vehicle and human)
- Abnormality detection: Motion detection, video tampering, scene changing, audio detection, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, and voltage detection
- Supports sound and light alarm linkage. When an alarm is triggered, the camera links sound alarm and light flashing
- Supports one-tap disarming. You can disarm the events of alarm output, sending email, audio, and light in the configured period
- Alarm: 1 in, 1 out; audio: 1 in, 1 out; supports max. 256 G Micro SD card, built-in Mic and speaker
- 12V DC/PoE power supply
- IP67 protection
- SMD Plus
- · Red and blue flashlight alarm













Cyber Security

Galaxy network camera is equipped with a series of key security technologies, such as security authentication and authorization, access control, trusted protection, encrypted transmission, and encrypted storage, which improve its security defense and data protection, and prevent malicious programs from invading the device.

Protection (IP67, 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.

Wide voltage: The camera allows ±30% input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.

Stream Capability

3 streams

Technical	Specification	on						8M (3840 × 2160); 6M (3072 × 2048); 5M (3072 ×
Camera			I.	Resolution	1728/2592 × 1944); 4M (2688 × 1520); 3M (2048 × 1536/2304 × 1296); 1080p (1920 × 1080); 1.3M (1280 ×			
Image Sensor		1/2.8" 8Megapixel progressive CMOS						960); 720p (1280 × 720); D1(704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)
Max. Resolution		3840(H) × 2160 (V)				Bit Rate Control	CBR/VBR	
ROM		128 MB				Video Bit Rate	H.264: 32 kbps–8192 kbps H.265: 12 kbps–8192 kbps	
RAM		512 MB				Day/Night	Color/B/W	
Scanning Sys	stem	Progressive				BLC	Yes	
Electronic Sh	nutter Speed	Auto/Manual 1/3 s-1/100,000 s				HLC	Yes	
Min. Illumina	ation	0.007 Lux @ F1.4				WDR	120 dB	
S/N Ratio		> 56 dB				Scene Self-adaptation	Yes	
Illumination	Distance	30 m (98.4 ft)					(SSA)	Auto/natural/street lamp/outdoor/manual/regional
Illuminator (On/Off Control	Auto/Manual					White Balance	custom
Illuminator N	Number	1 (Warm ligh	t)				Gain Control	Auto/Manual
D /T:: /D :	6	Pan: 0°–360° Tilt: 0°–78° Rotation: 0°–360°					Noise Reduction	3D NR
Pan/Tilt/Rot	tation Range						Motion Detection	OFF/ON (4 areas)
Lens						Region of Interest (RoI)	Yes (4 areas)	
Lens Type		Fixed-focal				Smart Illumination	Yes	
Mount Type	Mount Type		M12				Image Rotation	$0^{\circ}/90^{\circ}/180^{\circ}/270^{\circ}$ (Support with 1920×1080 resolution and lower)
Focal Length	1	2.8 mm; 3.6 mm				Mirror	Yes	
Max. Apertu	ıre	F1.4				Privacy Masking	4 areas	
Field of View	V	2.8 mm: Horizontal 107° × Vertical 56° × Diagonal 127°				Audio		
Iris Type		3.6 mm: Horizontal 89° × Vertical 46° × Diagonal 102° Fixed				Built-in MIC	Yes	
Close Focus Distance		2.8 mm: 1.5 m (4.9 ft)				Audio Compression	PCM, G.711a, G.711Mu, G726	
Close Focus	Distance	3.6 mm: 2.2n					Alarm	
	Lens	Detect	Observe	Recognize	Identify		Alarm Event	No SD card; SD card full; SD card error; service life warning (supported by Galaxy card); network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; audio detection; voltage detection; external alarm; SMD; safety exception; light alarm; sound alarm (11 built-in sounds
DORI Distance	2.8 mm	87.7m (287.7 ft)	35.1 m (115.2 ft)	17.5m (57.4 ft)	8.8m (28.8 ft)			
	3.6 mm	110.3m (361.8 ft)	44.1m (144.7ft)	22.1m (72.5 ft)	11m (36 ft)			
Professio	nal, intellige	ent						and custom voices importing)importing)
IVS (Perimet	er Protection)	Tripwire; intrusion (support the classification and accurate detection of vehicle and human)					Network	
		Work together with Smart NVR to perform refine				Network	RJ-45 (10/100 Base-T)	
Intelligent Search		intelligent search, event extraction and merging to event videos.				SDK and API	Yes	
Video		H.265; H.264; H.264H; H.264B; MJPEG					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
Video Compression		(only supported by the sub stream)					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 execution; trusted upgrade
Smart Codec		Smart H.265+/Smart H.264+ Main stream:						
Video Frame Rate		$3840 \times 2160 @ (1-20 \text{ fps by default})$ $3840 \times 2160 @ (1-25/30 \text{ fps with AI function disabled})$ sub stream: $704 \times 576 @ (1-25 \text{ fps})/704 \times 480 @ (1-30 \text{ fps})$				Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P	
		fps) third stream:1280 × 1080 @ (1–25/30 fps)				User/Host	20 (Total bandwidth: 80 M)	

Storage

FTP; SFTP; Micro SD card (support max. 256 G); NAS

Browser	IE: IE8 and later Chrome Firefox Safari: Safari 12 and later	
Management Software	Smart PSS; DSS; DMSS	
Mobile Phone	IOS; Android	8MP Camer
Certification		
Certification	CE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B	
Port		
Audio Input	1 channel (BCA nort)	

Audio Input	1 channel (RCA port)
Audio Output	1 channel (RCA port)
Alarm Input	1 channel in: 5mA 3V–5V DC
Alarm Output	1 channel out: 300mA 12V DC

Power

Power Supply	12V DC/PoE (802.3af)
Power Consumption	Basic power consumption: 3.1W (DC12V); 3.5W (POE) Max. power consumption (WDR + H.265 + red and blue lights flashing alternately + warm light + sound alarm): 7.8W (DC12V); 8.2W (POE)

Environment

Operating Conditions	-40°C to +60°C (-40°F to +140°F)/Less than 95% RH		
Storage Conditions	-40°C to +60°C (-40°F to +140°F)		
Protection Grade	IP67		

Structure

Casing	Metal
Dimensions	Φ122.0 mm × 110.9 mm (4.8" × 4.4")
Net Weight	754 g (1.7 lb)
Gross Weight	915 g (2.0 lb)

Ordering Information			
Туре	Model	Description	
	GX-HT728A-AI-LED-28AD	8MP Full-color Active Deterrence Fixed-focal Eyeball WizSense Network Camera	

PFB205W Wall Mount PFB220C Ceiling Mount PFA152-E Pole Mount PFM321D 12V DC 1A Power Adapter era Single-port Long Reach Ethernet over LR1002-1ET/1EC Coax Extender PFM900-E Integrated Mount Tester PFM114 $\mathsf{TLC}\,\mathsf{SD}\,\mathsf{Card}$

Accessories

Optional



PFA137 Junction Box



PFA152-E Pole Mount



PFM900-E Integrated Mount Tester



PFB205W Wall Mount



PFM321D 12V DC/1A Power Adapter



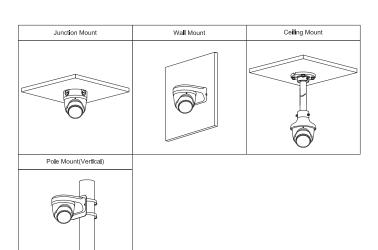
Ceiling Mount



LR1002-1ET/1EC Single-port Long Reach Ethernet over Coax Extender



PFM114 TLC SD Card



Dimensions (mm[inch])

