

GX-HT-PTZ514X25-AI

4MP 25x Starlight IR WizSense Network PTZ 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.

System Overview

Galaxy PTZ WizSense network camera adopts advanced CNN deep learning algorithms to support Perimeter Protection with high accuracy. This camera possess wide monitor range, PFA algorithm that can always present a clear, focused image while zooming. The camera has very excellent low light performance due to adopting the latest starlight technology. The camera is equipped with smooth control, high quality image and good protection, which make it can meet most of the requirements of video surveillance applications.

Functions

Starlight Technology

For challenging low-light applications, Galaxy's Starlight Ultra-low Light Technology offers best-in-class light sensitivity, capturing color details in low light down to 0.005 lux. The camera uses a set of optical features to balance light throughout the scene, resulting in clear images in dark environments.

Wide Dynamic Range

The camera achieves vivid images, even in the most intense contrast lighting conditions, using industry-leading wide dynamic range (WDR) technology. For applications with both bright and low lighting conditions that change quickly, True WDR (120 dB) optimizes both the bright and dark areas of a scene at the same time to provide usable video.

Perimeter Protection

Automatically filtering out false alarms caused by animals, rustling leaves, bright lights, etc. Enables system to act secondary recognition for the targets. Improving alarm accuracy.

- · 1/2.8" 4Megapixel CMOS
- · Powerful 25x optical zoom
- · Starlight technology
- · Max.25/30fps@4M
- · Perimeter protection
- · Support PoE+
- · IR distance up to 100m
- · SMD PLUS
- · IP66













Environmental

Galaxy cameras operate in extreme temperature environments, rated for use in temperatures from-40 °C to +70 °C (-40 °F to +158 °F) with 95% humidity. Subjected to rigorous dust and water immersion tests and certified to the IP66 Ingress Protection rating makes it suitable for demanding outdoor applications.

Protection

The camera allows for 6KV lightning rating, which provides effective protection for both the camera and its structure against lightning.

Interoperability

The camera conforms to the ONVIF (Open Network Video Interface Forum) specifications, ensuring interoperability between network video products regardless of manufacturer.

PFA Technology

PFA technology has innovatively introduced new methods of judgment to ensure the accuracy and predictability of the direction of subject distance adjustment. The result is a set of advanced focusing algorithms. PFA ensures clarity of the image throughout the process of zooming and shortens focus time. The realization of PFA technology substantially improves user experience and increases product value.

SMD PLUS

With Deep-Learning Algorithm, Galaxy SMD PLUS Pfilters the motion detection alarm triggered by non-concerned target and recognizes human and vehicle effectively , sending alarms when human and vehicle intrude.



Technical Specification				General Intelligence			
Camera				Event Trigger	Motion detection, Video tampering, Scene changing, Network disconnection, IP address conflict, Illegal		
Image Sensor	1/2.8" STARVIS™ CMOS					Access, Storage anomaly	
Pixel	4MP				IVS	Object Abandoned/Missing	
Max. Resolution	2560 (H) × 14	440 (V)			Artificial Intelligence	Artificial Intelligence	
ROM	4GB				Perimeter Protection	Tripwire and intrusion. Support alarm triggering by target types (human and vehicle). Support filtering false alarms caused by animals, rustling leaves, bright lights atte	
RAM	1GB				SMD PLUS	lights, etc. Support	
Electronic Shutter Speed	1/1 s-1/30,0	000 s			Face Detection	Support	
Scanning System	Progressive					Support human, motor vehicle and non-motor vehicle	
Min. Illumination	Color: 0.005 B/W: 0.0005 0Lux@F1.6 (Lux@F1.6			Smart Capture Video	image capture.	
Illumination Distance	100 m (328.0	08 ft)			Compression	H.265+/H.265/H.264+/H.264/MJPEG (sub stream)	
Illuminator On/Off Control		Manual/SmartII	R		Streaming Capability	3 streams	
		narraary Siriar en			Streaming Capability		
Illuminator Number Lens	4				Resolution	4M (2560 x 1440); 3M (2048 x 1536); 1080P (1920 x 1080); 1.3M (1280 x 960); 720P (1280 x 720); D1 (704 x 576/704 x 480); CIF (352 x 288/352 x 240)	
Focal Length	4.8 mm–120 mm					Main stream: 4MP/3MP/1080P/1.3MP/720P (1–25fps) Sub stream 1: D1/CIF (1–25fps) Sub stream 2: 1080P/1.3M/720P (1–25fps)	
Max. Aperture	F1.6-F4.0				Frame Rate		
Field of View	H: 60.0°-2.5°; V: 30.8°-2.2°; D: 66.7°-2.9°				Bit Rate Control	Variable/Constant	
Optical Zoom	25x				Bit Rate	H.265/H.264: 3 kbps–20480 kbps	
Focus Control	Auto/Semi-Auto/Manual				Day/Night	Auto(ICR)/Color/B/W	
Close Focus Distance	0.1 m-1.5 m (0.33 ft-4.92 ft)				BLC	Support	
Iris Control	Auto/Manual				WDR	120 dB	
	Detect	Observe	Recognize	Identify	HLC	Support	
DORI Distance	2540 m (8333.33 ft)	1016 m (3333.33 ft)	508 m (1666.67 ft)	254 m (833.33 ft)	White Balance	Auto/Indoor/Outdoor/Track/Manual/Sodium lamp/ Natural light/Street lamp	
	(0333.3311)	(5555.5511)	(1000.0711)	(655.5511)	Gain Control	Auto/Manual	
PTZ					Noise Reduction	Ultra DNR (2D/3D)	
Pan/Tilt Range	Pan: 0°–360' Tilt: -15°–90	° (endless) ° (auto flip 180	°)		Motion Detection	Support	
Manual Control Speed	Pan: 0.1°–200°/s Tilt: 0.1°–120°/s				Region of Interest	Support	
Preset Speed	Pan: 240°/s Tilt: 200°/s				Electronic Image Stabilization	Support	
Presets	300				Electronic Defog	Support	
Tour	8 (up to 32 presets per tour)				Digital Zoom	16x	
Pattern	5				Flip	180°	
Scan	5				Privacy Masking	Up to 24 areas, and up to 8 areas in the same view	
Speed Adjustment	Support				Audio		
Power-off Memory	Support				Compression	G.711a; G.711Mu; AAC; G.722.1; G.726; MPEG2-Layer2; G.729	
Idle Motion	Preset/Tour,	/Pattern/Scanr	ning		Network		
Protocol	DH-SD Pelco-P/D (auto recognition)				Ethernet	RJ-45 (10/100Base-T)	

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Protocol	IPv4; IPv6; HTTP; HTTPS; SSL; TCP/IP; UDP; UPnP; ICMP; IGMP; SNMPv1/v2c/v3(MIB-2); ARP; RTCP; RTSP; RTP; SMTP; NTP; DHCP; DNS; PPPOE; DDNS; FTP; IP Filter; QoS; Bonjour; 802.1x
Interoperability	ONVIF Profile S&G&T CGI
Streaming Method	Unicast/Multicast
User/Host	19
Storage	NAS; Local PC; Micro SD card (256G)
Browser	IE7 and newer versions Chrome 45 and earlier versions Firefox 52 and earlier versions Safari (no version restrictions)
Management Software	Smart PSS; DSS; DMSS
Mobile Phone	IOS/Android

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	CE: EN55032/EN55024/EN50130-4
Certifications	FCC: Part15 subpartB, ANSI C63.4-2014
	UL: UL62368-1+CAN/CSA C22.2,No. 62368-1

Port

Audio Input	1
Audio Output	1
Alarm I/O	2/1

Power

Power Supply	DC 12V/3A PoE+ (802.3at)
Power Consumption	13W 21W (IR on)

Environment

Operating Temperature	-40°C to +70°C (-40°F to +158°F)
Operating Humidity	≤95%
Protection	IP66; TVS 6000V lightning proof; Surge protection

Structure

Dimensions	Ф160 mm × 295 mm (6.30" × 11.61")
Net Weight	3 kg (6.61 lb)
Gross Weight	4.8kg (10.58lb)

Ordering Information			
Туре	Model	Description	
	GX-HT-PTZ514X25-AI	4MP 25x Starlight IR WizSense Network PTZ Camera, WDR	
4MP WizSense PTZ Camera			

	PFB305W	Wall Mount Bracket
	PFA111	Mount Adapter
	DC12V/3A	Power Adapter
	PFA140	Power Box
Accessories	PFB300C	Ceiling Mount Bracket
	PFA120	Water-proof Junction Box
	PFA150	Pole Mount Bracket
	PFA151	Corner Mount Bracket
	PFB303S	Parapet Mount Bracket

Accessories

Included:



PFB305W Wall Mount Bracket

Optional:



PFA111 Mount Adapter



PFB300C Ceiling Mount Bracket



DC12V/3A Power Adapter



PFA120 Water-proof Junction Box



PFA140 Power Box



PFA150 Pole Mount Bracket

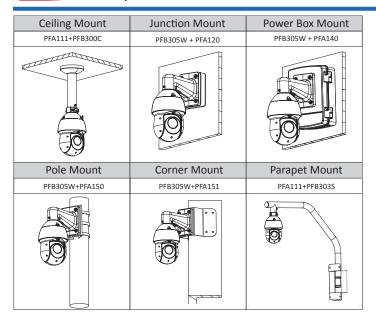


PFA151 Corner Mount Bracket



PFB303S Parapet Mount Bracket

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Dimensions (mm [inch])

