

COG-HAKUCHO

8x2MP PANORAMIC MULTI-SENSOR IR NETWORK CAMERA + PTZ



System Overview

Starlight panoramic HD network camera, with all-in-one design, provides a 360° panorama and region of interest details at the same time. The panoramic network combines 8 sensors working in tandem to realize 360° panoramic surveillance; all-in-one module and high-speed PTZ camera provides the function of quick position details. In addition, with video analytic algorithm and multi-target track algorithm, the camera can automatically or manually detect tripwire and intrusion of mutiple targets in detection area, output alarm signal, and then link PTZ for smart tracking. With these excellent features, the camera can meet higher security requirements.

Functions

True Day/Night

A day/night mechanical IR cut filter makes this camera ideal for applica-tions with fluctuating lighting conditions, delivering colour images during the day and automatically switching to monochrome as the scene darkens.

Starlight Technology

Featured with Starlight Technology, the camera is ideal for applications with challenging light conditions. Its low light performance delivers usable video with minimal ambient light. Even in extreme low light conditions, Starlight Technology is capable of delivering colour images in nearly complete darkness.

Crowd map

- 1. The crowd map is displayed on panorama.
- 2. Customized ROIs setting, people counting overlay and people thresh old alarm.
- 3. Global crowd density threshold setting and alarm.
- 4. Alarm linkage for global crowd density threshold and area people threshold (Arm period, record, sending E-mail and snapshot).

- · Panoramic: Eight 1/1.8" 2 Megapixel progressive scan CMOS
- · PTZ: One 1/1.8" 4 Megapixel progressive scan CMOS
- · Support 360-degree panoramic view
- · Starlight technology
- · H.265/H.264 triple-stream encoding
- · Day/Night (ICR); 3D DNR; AWB; AGC; BLC
- · IR distance up to 400 m
- · Smart tracking
- · Tripwire
- · Intrusion
- · Crowd map

















Tripwire detection and intrusion detection

With advanced CNN algorithm, the detection distance, and the accuracy rate and timely rate of linkage track are much improved.

Smart tracking

- 1. Panoramic channel supports manual position, frame selection zoom position.
- 2. Manual track.
- 3. Auto track after tripwire and intrusion are triggered.
- 4. Smart tracking after crowd map alarm is triggered.

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Technical Specification						Video frame rate	Main stream: 8192 × 1800 (1–25 fps/30 fps) Sub Stream: 3840 × 832 (1–25 fps/30 fps)
Camera						Third Stream: 4800x × 3840 (1–25 fps/30 fps)	
Image sensor		Panoramic network camera: 1/1.8"CMOS PTZ camera: 1/1.8"CMOS				Decoding	3 Streams
Max. resolution		Panoramic network camera: 8192 × 1800 PTZ camera: 2560 × 1440				Resolution	Panoramic network camera: 8192 × 1800; 7680 × 1680; 5760 × 1264; 4800 × 3840; 4096 × 900; 3840 × 832; 3200 × 2560; 2560; 560; 2048 × 452; 1600 × 1280 PTZ camera: 2560 × 1440; 2048 × 1536; 1920 × 1080; 1280 × 96 1280 × 720; 704 × 576; 704×480; 352 × 288; 352×240
Scan		Progressive					
Electronic shutter		Panoramic network camera: 1/3 s-1/100000 s, manual or auto adjust PTZ Camera: 1/1 s-1/300000 s, manual or auto adjust					
		Panoramic network camera:				Bit rate control	Panoramic network camera: CBR/VBR PTZ camera:CBR/VBR
Minimum illumination		0.01 Lux @ F2.0 PTZ camera: 0.0008 Lux @ F1.3					Panoramic network camera: H.264: 512 Kbps-42995 Kbps
Max fill light d	istance	Panoramic network camera: None PTZ camera: ≥ 400 m (1312 ft) (IR fill light)				Video bit rate	H.265: 256 Kbps-26216 Kbps PTZ camera: H.264: 184 Kbps-15104 Kbps
Fill light contro	ol	Auto				Day/Night	H.265: 110 Kbps-9216 Kbps
Fill light quant	ity	Panoramic network camera: None PTZ camera: 7 (IR LEDs)				BLC	Yes
Lens angle ran	ige	N/A				Wide dynamic range	120 dB
Lens						white dynamic range	Panoramic network camera: Auto/Natural/street
Lens type		Panoramic network camera: Fix focal PTZ camera: Electric zoom				White balance	lamp/outdoor/manual/regional Custom PTZ camera: Auto/indoor/outdoor/tracking/ manual/sodium lamp/natural/street lamp
Lens connector		Panoramic network camera: M12 PTZ camera: Core interface				Gain control	Auto/Manual
Focal length		Panoramic network camera 5 mm				Noise reduction	3D DNR
-		PTZ camera: 5.6mm–223mm, optical zoom (40 times) Panoramic network camera: F2.0				Motion Detection	Disable/Enable
Aperture		PTZ camera: F1.3 Panoramic network camera: Horizontal: 360°				Region of interest	Panoramic network camera: Yes (4 areas) PTZ camera:Yes (4 areas)
Angle of view		Vertical: 84° PTZ camera:Horizontal: 2°–61° vertical: 1°-36°				Electronic image stabilization(EIS)	Panoramic network camera: — PZT camera: Yes
Optical zoom		Diagonal: 3°–68° Panoramic network camera: None				Smart IR	Panoramic network camera: — PTZ camera: Yes (Adjusted by user.)
Optical 200iii		PTZ camera: 40 times Panoramic network camera: Fixed aperture				Defog	Panoramic network camera: — PTZ camera: Yes
Aperture type		PTZ camera: Auto aperture Panoramic network camera: 1.2 m (3.94 ft)				Digital zoom	Panoramic network camera: N/A PTZ camera: 16 times
Min photogra	phic distance	PTZ camera: 0.5 m (1.64 ft)			Identify	Privacy masking	Panoramic network camera (Privacy masking): 4 areas PTZ camera (Privacy masking): 8 areas
DORI distance	Panoramic		24 2	10.7		Audio	r 12 camera (riivacy masking). o areas
	network camera	53.3m (174.9ft)	21.3m (69.9ft)	10.7m (35.1ft)	5.3m (17.4ft)		G.711Mu/G.711A/ G.726/ AAC/
	PTZ camera	2873.1m (9426.2ft)	1149.2m (3770.3ft)	574.6m (1885.2ft)	287.3m (942.6ft)	Audio encoding Network	G./11WIU/G./11A/ G./26/ AAC/
Smart ever	nt					Ethernet	One 10/100/1000Mbps Ethernet port One 1000M fiber port(optional)
IVS analyze Professiona	al, Intelligent	Intrusion, tripwire				Network protocol	HTTP; TCP; ARP; RTSP; RTP; UDP; RTCP; SMTP; FTP; DHCP; DNS; DDNS; PPPoE; IPv4/IPv6; SNMP; QoS; UPnP; NTP
Crowd map	,	Crowd map, Global setup and No. in area				Third party access	ONVIF (Profile G); CGI
Video						Scene self-adaptation	Yes
Video encodir	ng	H.265; H.264; H.264H; H.264B; MJPEG				·	
		H.264				Max user	20 (Total bandwidth: 80 M)
Intelligent cod	e	H.265				Storage	SD card, FTP (SFTP), NAS (NFS/SMB)
						Browser	IE, Chrome, Firefox, Safari

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Platform	EVS, NVR, M70, DSS				
Certification					
Certification	CE-LVD: EN60950-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B UL/CUL: UL60950-1 CAN/CSA C22.2 No.60950-1-07				
Port					
RS-485 port	One (Bit rate: 1200 bps-115200 bps)				
Audio input	2 channels (connecting terminal)				
Audio output	2 channels (connecting terminal)				
Alarm input	7 channels (Wet contact, and it supports potential 3V–and max current 0.5A.)				
Alarm output	3 channels (Wet contact, and it supports max potential 30V DC, 1 A/max potential 50V AC, current 0.5 A.)				
Analog output	1 channel CVBS BNC port				
Power					
Power supply	DC36V				
Power consumption	< 84.4W				
Environment					
Operating temperature	-40°C to +70°C (-40°F to +158°F)				
Operating humidity	≤95%				
Storage temperature	-40°C to +70°C (-40°F to +158°F)/Less than 95% RH				
Protection grade	IP66				
Structure					
Enclosure	Metal + Plastic				
Dimensions	Φ383 mm × 389.8 mm (Φ1256.56 ft × 1279.8 ft)				
Net weight	14.7 kg (32.41 lb)				
Gross weight	19.8 kg (43.65 lb)				

Dimensions (mm[inch])







