



Features

- Supports 8-sensor stitching to achieve a full 360 degree panoramic view.
- Flexible panoramic coverage of 180 degree, 270 degree, or 360 degree views.
- Single IP dual-stream output for simultaneous panoramic and detailed live views.
- High-precision encoder with accuracy up to +/-0.04 degrees and automatic deviation correction.
- Manual target selection in the panoramic view with linked detail-channel tracking.
- One-click panoramic-detail calibration for faster setup and improved accuracy.
- Handover tracking continues target tracking when the subject exits the panoramic view.
- IP67 rated for outdoor dust and water resistance.
- Panoramic channel supports perimeter intrusion detection and people counting; Detail channel supports perimeter intrusion detection, people counting, mixed-traffic detection, auto-tracking, face detection, and attribute extraction.
- Smart intrusion prevention system classifies motor vehicles, non-motor vehicles, and pedestrians, supporting intelligent alerts for crossing boundary, entering zone, leaving zone, and area intrusion.
- Face recognition supports up to 16 face databases and 100,000 faces.
- Auto-tracking supports filtering by human, non-motor vehicle, and vehicle.
- Optical-electrical integration simplifies installation and cabling.

Description

A high-resolution panoramic and PTZ surveillance camera designed for wide-area situational awareness with linked detail-channel target tracking.

Applications

- **City surveillance:** Ports, campuses, and wide-area command centers, Critical infrastructure
- **Transportation hubs:** Industrial facilities, Perimeter security

Specifications

Channel		Channel 1 (Panorama)	Channel 2 (Detail)
CAMERA			
Max Resolution		1/1.8" CMOS	
Max Resolution		32MP	4MP
Min. Illumination	Color	0.0003 Lux (F1.0, AGC ON)	0.0005 Lux (F1.2, AGC ON)
	IR		0.0003 Lux (F1.2, AGC ON)
Shutter		Auto/Manual, 1 to 1/100000 s	
WDR		N/A	120 dB
S/N		>56 dB	
LENS			
Digital Zoom		N/A	8x
Optical Zoom		N/A	42x
Field of View	H	360°	59.47°–2.20°
	V	110°	35.62°–1.24°
DORI			
Lens		2 mm	6–252 mm
DORI Distance	Detect	31 m (101.8 ft)	93.1–3724.1 m (305.5–12218.3 ft)
	Observe	12.4 m (40.7 ft)	37.2–1489.7 m (122.2–4887.3 ft)
	Recognize	6.2 m (20.4 ft)	18.6–774.8 m (61.1–2443.7 ft)
	Identify	3.1 m (10.2 ft)	9.3–372.4 m (30.5–1221.8 ft)
ILLUMINATOR			
IR Distance		N/A	500 m (1640.4 ft)



Specifications

VIDEO	
Video Compression	H.265, H.264, MJPEG, Ultra 265
Frame Rate	Main Stream 32MP (11520 x 2700), max. 30 fps; 16MP (8192 x 1800), max. 30 fps; 6144 x 1200, max. 30 fps; 4096 x 900, max. 30 fps
	Sub Stream 3072 x 676, max. 30 fps
	Third Stream 2048 x 450, max. 30 fps
Video Bit Rate	128 Kbps to 16 Mbps
Video Stream	Triple streams
ROI	Up to 8 areas
OSD	Up to 10 OSDs
IMAGE	
Defog	N/A Optical defog, digital defog
HLC	Support
BLC	Support
Heatwave Reduction	N/A Support
INTELLIGENT	
Linkage Function	Triggered by fixed panoramic lens via smart intrusion prevention to track targets with the detail PTZ channel
People Counting	People flow counting and crowd density detection
Smart Intrusion Prevention	Cross line detection, intrusion detection, enter area detection, leave area detection; supports false alarm filtering and classification of human, non-motor vehicle, and vehicle
Auto Tracking	Target filtering for human, non-motor vehicle, and vehicle.
Recognition	Face recognition; up to 16 face libraries and 100,000 faces.

EVENTS		
Basic Detection	Motion detection, ultra motion detection, tampering alarm, audio detection, object removed, and object left behind	
PTZ		
Pan	Range	0°–360°
	Speed	0.1°/s–300°/s
Tilt	Range	-15°–90°
	Speed	0.1°/s–180°/s
Number of Presets	1024	
Preset Patrol	16 patrols, up to 64 presets for each patrol	
Preset Image Freeze	Support	
Home Position	Support	
3D Positioning	Support	
Snow Removal Mode	Support	
Patrol Recording	Support	
NETWORK		
Compatible Integration	ONVIF (Profile S, Profile G, Profile T, Profile M), API, SDK	
Security	TLS 1.3, HTTPS encryption, password protection, RTSP/HTTP authentication, ONVIF authentication	
STORAGE		
Edge Storage	MicroSD, up to 512 GB	
Network Storage	ANR, NAS (NFS)	
INTERFACE		
Alarm I/O	7/3	
Audio I/O	2/2	
Two-Way Audio	Support	
Serial Port	1 x RS485	
Network	1 x RJ45 10M/100M/1000M Base-TX Ethernet + 1 x 100M/1000M SFP	

Specifications

GENERAL	
Power	DC 24V (+/-25%), DC 36V (+/-25%)
Power Consumption	Max. 124 W
Dimensions (Ø × H)	380 × 475.9 mm (15" × 18.7")
Weight	13.5 kg (29.8 lb)
Working Environment	Temperature -40°C to +70°C (-40°F to +158°F)
	Humidity ≤95% RH (non-condensing)
Surge Protection	6 KV
Protection	IP67, IK10 anti-vandalism except for front window
Wiper	Manual

Accessories



Pole Mounting Bracket



Pendant Mounting Bracket



Wall Mount Bracket

Dimensions — [mm]

