



Description

Outdoor network PTZ camera for long-range surveillance, low-light monitoring, AI perimeter protection, target tracking, and wide-area security operations.

Features

- 8MP 4K video at 3840 x 2160, max. 30fps.
- 42X optical zoom for long-distance identification and monitoring.
- Smart intrusion prevention with false-alarm filtering.
- Auto-tracking and multi-target detection for humans, vehicles, and non-motor vehicles.
- People counting with people flow and crowd density monitoring.
- Optical defog, self-adaptive defog, LightHunter low-light imaging, 500m IR, gyroscope stabilization, and wiper support.

Applications

- **Perimeter security:** Transportation hubs, Critical infrastructure
- **City surveillance:** Industrial facilities, Campus surveillance

Accessories



Indoor Ceiling Pedestal



Ceiling Mount Pole



Wall / Gooseneck Bracket

Specifications

CAMERA

Image Sensor	1/1.8" CMOS
Max. Resolution	3840 x 2160 (8MP)
Min. Illumination	Color: 0.0005 Lux @F1.2, AGC ON, 0 Lux with IR
Day/Night	IR-cut filter with auto switch (ICR)
Shutter	Auto/Manual, 1 to 1/100000 s
Digital Zoom	16x
Optical Zoom	42x
WDR	120 dB
S/N	>56 dB

LENS

Focal Length		6–252 mm
Iris		F1.2-F4.6
Field of View	H	57.96°–2.15°
	V	34.61°–1.21°
	D	71.30°–2.54°

DORI

DORI Distance	Detect	155.5–4829.4 m (510.1–15844.5 ft)
	Observe	62.2–1931.8 m (204.0–6337.8 ft)
	Recognize	31.1–965.9 m (102.0–3168.9 ft)
	Identify	15.5–482.9 m (51.0–1584.4 ft)

IR ILLUMINATOR

IR Distance	500 m (1640 ft)
Wavelength	850 nm
IR On/Off Control	Auto/Manual

VIDEO

Video Compression		Ultra 265, H.265, H.264, MJPEG
Frame Rate	Main Stream	8MP (3840 × 2160), max. 30 fps
	Sub Stream	1080P, max. 30 fps
	Third Stream	D1, max. 30 fps
Privacy Mask		24 areas
ROI		Supported

Specifications

OSD		Up to 10 OSDs
IMAGE		
BLC		Supported
HLC		Supported
Defog		Digital defog, Optical defog
Image Stabilization		EIS with gyroscope
Digital Noise Reduction		2D/3D DNR
NETWORK		
Compatible Integration		ONVIF (Profile S, Profile G, Profile T, Profile M), API, SDK
Security		Password protection, HTTPS encryption, logs, RTSP/HTTP authentication, TLS 1.2/1.3
ANALYTICS		
AI Analytics		Auto tracking, multi-target detection, smart intrusion prevention, people counting, object removed, object left behind
STORAGE		
Edge Storage		Micro SD up to 512 GB
Network Storage		ANR, NAS (NFS)
PTZ		
Pan	Range	360° continuous rotation
	Speed	0.1°/s–180°/s
Tilt	Range	-15° to +90° with auto flip
	Speed	0.1°/s–180°/s
Preset Positions		1024
Preset Patrol		16 patrols, up to 64 presets for each patrol
Route Patrol		Up to 32 actions for each patrol
Recorded Patrol		Up to 128 actions for each patrol
INTERFACE		
Audio I/O		1/1
Alarm I/O		7/2
Serial Port		1 × RS485
Network		1 × RJ45 10M/100M

Video Output		1 BNC debug output
Wiper		Supported
Heater		Supported
GENERAL		
Power Supply		AC 24V +/-25%, DC 24V +/-25%, PoE (IEEE 802.3bt)
Power Consumption		Max. 67 W
Protection Grade		IP67
Surge Protection		6 KV
Operating Environment	Temperature	-40°C to +70°C (-40°F to +158°F)
	Humidity	≤95% RH, non-condensing
Weight		29.6 kg (65.3 lb)
Dimensions (Ø × H)		226.7 × 440.3 mm (8.9" × 17.3")

Dimensions — [mm]

