8MP Motorized IR Dome Network Camera



An 8MP network dome camera combines a 2.8–12 mm motorized lens, infrared night monitoring, and a built-in microphone.

- **8MP / 4K**
- **Motorized Zoom**
- **Smart IR**
- **Built-in Microphone**

8MP / 4K

Up to 20 fps

Motorized Zoom

2.8–12 mm Lens

Smart IR

Up to 164 ft (50 m)

Built-in Microphone

Audio Input and Output



Motorized Zoom for Flexible Framing

Adjust the 2.8–12 mm motorized lens from a wide entrance view to a tighter view of a point of interest. The camera records 3840 × 2160 video at up to 20 fps.

Infrared Night Monitoring

Smart IR supports monochrome night monitoring at a specified distance of 98–164 ft (30–50 m). Automatic

day/night switching adapts to changing light levels.



Specifications

Camera and optics

Image sensor	1/2.8" CMOS
Maximum resolution	3840 × 2160
Electronic shutter	1 s to 1/100,000 s
Iris	DC iris
Minimum illumination	0.02 lux at F1.6 (AGC on); 0 lux with IR
Lens	2.8–12 mm motorized, F1.6
Field of view	H 99°–34°; V 53°–18°; D 115°–36°

Lens mount	Ø14
Day/night	Automatic ICR
IR range	98–164 ft (30–50 m)
Wide dynamic range	120 dB
Image enhancement	BLC, HLC, defog, 3D DNR, AWB, lens distortion correction
Angle adjustment	Pan 0°–345°; tilt 0°–77°; rotation 0°–345°

DORI distances

Wide	Detect 281.20 ft; observe 112.46 ft; recognize 56.23 ft; identify 28.11 ft
Tele	Detect 894.84 ft; observe 357.93 ft; recognize 178.96 ft; identify 89.46 ft

Video and audio

Video compression	H.265+, H.265, H.264+, H.264, MJPEG
H.264 profiles	Baseline, Main, High
Resolutions	3840 × 2160, 3072 × 2048, 2592 × 1944, 2560 × 1520, 2560 × 1440, 2304 × 1296, 1920 × 1080, 1280 × 720, D1, CIF, 480 × 240
Main stream	8MP: 1–20 fps (50/60 Hz). 6MP through 720p: 1–25 fps (50 Hz), 1–30 fps (60 Hz).
Sub stream	50 Hz: 720p, D1 and 480 × 240 at 1–25 fps. 60 Hz: 720p at 1–12 fps; D1 and 480 × 240 at 1–30 fps.
Third stream	D1, CIF and 480 × 240 at 1–25 fps (50 Hz) or 1–30 fps (60 Hz)
Bit rate	64 kbps to 12 Mbps; VBR or CBR
Audio compression	G.711 A-law / μ-law
Image settings	ROI, saturation, brightness, hue, contrast, WDR, mirror, flip, sharpness and noise reduction via client software or web browser
Regions of interest	3 independently configurable regions

Interfaces and storage

Network	RJ45
Video output	1 × CVBS (BNC)
Audio	1 input, 1 output and 1 built-in microphone
Alarm I/O	1 input and 1 output
Storage	microSD up to 256 GB; remote network storage
Reset	Supported

Network and events

Remote monitoring	Browser and iOS / Android mobile app
Simultaneous monitoring	Up to 10 users; real-time multi-stream transmission
Network protocols	UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTCP, PPPoE, DDNS, SMTP, FTP, SNMP, HTTP, HTTPS, 802.1X, UPnP, QoS
Interoperability	ONVIF
Smart alarms	Motion, sensor input, microSD error or full, IP conflict and network disconnection
Analytics	Scene change, video blur, color cast, line crossing and intrusion detection
General functions	Watermarking, IP address filtering, video masking, heartbeat, password protection and corridor mode

Power, housing and installation

Power supply	12 V DC or PoE (IEEE 802.3af)
Power consumption	<10.5 W
Protection	IP67 and IK10
Operating conditions	−22 to 140 °F (−30 to 60 °C); <95% RH, non-condensing
Storage conditions	−22 to 149 °F (−30 to 65 °C); <95% RH, non-condensing
Dimensions	Ø5.55 × 3.94 in (Ø141 × 100.2 mm)

Net weight	Approx. 2.01 lb (0.91 kg)
Mounting	Ceiling or wall
Compliance	CE, FCC; EU RoHS, WEEE (2012/19/EU), 94/62/EC and REACH (EC 1907/2006)

Feature images are concept illustrations.