ICEL-PE80F-ADW1

Panoramic Dual Lens 2x4 MP Turret Network Camera



- Dual 4-MP 1/2.7" CMOS image sensor, outputs 180° wide angle spliced image
- H.265 & H.264 triple-stream encoding
- 8 MP (4320 × 1944)@20 fps
- 2.8 mm fixed lens, WDR, 3D NR, HLC, BLC
- Active Deterrence: Built-in Siren, Red & Blue LEDs
- Dual illumination, Max. IR LEDs Length 98 ft
- IP67, PoE+

Technical Specification

Camera

Image Sensor	Dual 1/2.7" CMOS
Effective Pixels	4320 (H) × 1944 (V)
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100000 s
Minimum Illumination	0.003 lux@F1.4 ((Color, 30 IRE) 0.0003 lux@F1.4 (B/W, 30 IRE) 0 lux (Illuminator on)
S/N Ratio	> 56 dB
IR Distance	Distance up to 98.43 ft (30 m)
IR On/Off Control	Auto / Manual / Off
IR LEDs	4 x Warm white Lights, 4 x IR Lights, 1 x Blue/Red LED

Lens

Lens Type	Fixed				
Mount Type	M12				
Focal Length	2.8mm				
Max. Aperture	F1.4				
Angle of View	H: 180°; V: 72°				
Optical Zoom	N/A				
Focus Control	Fixed				
Close Focus Distance	2.6 ft (0.8 m)				
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8 mm	166 ft	66 ft	33 ft	17 ft

Pan/Tilt/Rotation

Pan/Tilt/Rotation Range	Pan: 0°–360° / Tilt: 0°–77° / Rotation: 0°–360°

Video

Compression	Smart H.265; Smart H.264; H.265; H.264; MJPEG (sub stream only)
Streaming Capability	3 Streams
Resolution	8MP (4320 x 1944); 8MP (4096 x 1944); 1080P (1920 × 860); 720P (1200 × 536); 960H (960 × 432); D1 (704 × 480)
Frame Rate	Main stream: 4320 × 1944@20 fps Sub stream: 1200 × 530@20 fps Third stream: 1920 × 860@20 fps
Bit Rate Control	CBR/VBR/ABR
Bit Rate	H.264: 6 kbps–16384 kbps H.265: 6 kbps–16384 kbps
Day/Night	Auto(ICR) / Color / B/W
Backlight Mode	Off / BLC / HLC / WDR (120dB)
White Balance	Auto/natural/street lamp/outdoor/manual/regional custom
Gain Control	Auto / Manual
Noise Reduction	3D NR
Motion Detection	Off / On (1 Zone, Rectangle)
Region of Interest	Off / On (4 Area, Rectangle)
Smart IR	Support
Privacy Masking	Off / On (8 Area)
Defog	Supported

Intelligence

Video Content Analytics	Line Crossing (Tripwire); Intrusion; Stay Detection; Loitering Detection
Advance Intelligence	Perimeter protection; iMD (Human & Vehicle); Face Detection
Active Deterrence	Visual: Red & Blue Flashing LED lights Audible: Sound Prompt using the built-in speakers. Has optional pre-programmed alarm and additional audio files can be uploaded
AiPick (Search Extraction)	Uses deep learning algorithms along with back-end devices to accurately match targets, such as people and motor vehicles, and search through live and recorded videos to quickly locate the target.

Audio

Compression	G.711a, G.711Mu, PCM
Two-Way Talk	Supported

Network

Ethernet	RJ-45 (10/100Base-T)
Protocol	IPv4, IPv6, HTTP, HTTPS, TCP, UDP, ARP, RTP , RTSP, RTCP, RTMP, SMTP, FTP, SFTP, DHCP, DNS, DDNS, QoS, UPnP; NTP, Multicast, ICMP, IGMP, NFS, PPPoE, 802.1x, SNMP
Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI
Max. User Access	20 (Total bandwidth: 80 M)
Edge Storage	FTP; SFTP ; Micro SD card (support max. 512 GB)
Web Viewer	IE, Chrome, Firefox, Safari
Management Software	ICView Core
Smart Phone	iOS, Android

Technical Specification

Interface

Audio Interface	Dual Built-in Microphones; Built-in Speaker; Audio In/Out (RCA ports)
Alarm	1 x Input (Max. 5 VDC, 5 mA) 1 x Output (Max. 12 VDC, 300 mA)

Construction

Casing	Metal
Dimensions	Ø4.8" × 5.02" (Ø122.0 mm × 127.4 mm)
Net Weight	2.09 lb (0.95 kg)
Gross Weight	2.47 lb (1.12 kg)

Certifications

Certifications	FCC Part 15, Subpart B

Electrical

Power Supply	12 VDC (±30%) / PoE+ (802.3at)
Power Consumption	12 VDC: Max 12.2W, Typical 4.1W PoE: Max 14.8W, Typical 5.6W

Environmental

Operating Conditions	-40°F to +140°F (-40°C to +60°C)/less than 95% RH
Storage Conditions	-40°F to +140°F (-40°C to +60°C)
Ingress Protection	IP67

Dimensions (mm/in)



