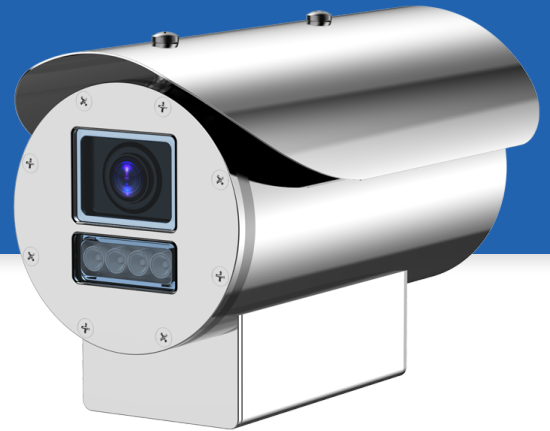


IK-ACB85F1FR-VZ

5MP IR Anti-Corrosion Network Camera



Key Features

- 1/2.8" STARVIS™ CMOS, up to 5MP (2592 × 1944) @ 25/30 fps
- 5–50 mm motorized varifocal lens
- Supports face, human, and vehicle detection with snapshot capture
- Supports human and vehicle attribute analysis
- Intelligent analytics: Intrusion, smart motion detection, single line crossing, double line crossing, loitering, wrong-way detection, area people limit, perimeter detection, illegal parking, running detection, fall detection, fight detection, and people counting.
- True WDR (120dB), 3D DNR, ROI, Defog, HLC
- Smart IR distance up to 80 m
- 1/1 audio input/output, 2/1 alarm input/output
- Hardware Root of Trust with FIPS 140-3 Level 3 certified secure element
- 316L Stainless steel, IP66/IP68 water resistant

Specifications

Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Max Resolution	5MP, 2592(H) × 1944(V)
Shutter Speed	1/5 to 1/20,000s
Min Illumination	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0.001 Lux @ (F1.6, AGC ON), 0 Lux with IR on
Day & Night	Auto (ICR)
S/N Ratio	55 dB
Lens	
Lens Type	Varifocal lens
Focal Length	5-50 mm
Max. Aperture	F2.0
Field of View (FOV)	H: 45°-7°, V: 33°-5°
Iris	Auto Iris
Focus Control	Motorized
Illuminator	
Type	IR
IR wavelength	850 nm
Distance	Up to 80 m (262.47 ft)
Control	Auto/Manual
Intelligent Analytics	
AI Multi-Target Detection	- Supports face, human, and vehicle detection with snapshot capture - Supports human and vehicle attribute analysis - Supports tracking display modes: Full Frame, Four-Corner Frame, and Mosaic
Attribute Analysis	Human Attributes: Gender, age, glasses, hat, bag, upper clothing color & style, lower clothing color & style, reflective vest Vehicle Attributes: Type, color, brand, orientation
Intelligent Analysis	Intrusion detection, smart motion detection, single line crossing, double line crossing, loitering, wrong-way detection, area people limit, perimeter detection, illegal parking, running detection, fall detection, fight detection - Supports alarm triggering based on specified target types (human/vehicle)
People Counting	Supported
Video & Audio	
Number of Streams	3 Streams

Resolution	Stream 1: 2592 × 1944, 2688 × 1520, 2560 × 1440, 2304 × 1296, 1920 × 1080, 1280 × 720 Stream 2: D1, VGA, CIF Stream 3: VGA, CIF, QVGA
Frame Rate	Up to 25/30 fps
Bit Rate Control	CBR/VBR
Bit Rate	Stream 1: 200 Kbps to 12 Mbps Stream 2: 100 Kbps to 6 Mbps Stream 3: 100 Kbps to 3 Mbps
Smart Encoding	Supported
Region of Interest (ROI)	Off/On (8 Zone, Rectangle)
Audio Compression	G.711 A-law, G.711 μ -law, RAW_PCM
Audio Bit Rate	64 Kbps (G.711), 128 Kbps (RAW_PCM)
Image	
Image Adjustment	Brightness, Sharpness, Contrast, Saturation adjustable
Scene Mode	Indoor, Outdoor, Mirror, Corridor mode
Exposure Mode	Auto, Manual, Shutter priority
White Balance	Auto, Tungsten, Fluorescent, Daylight, Shadow, Manual
Day/Night Setting	Auto, Day, Night, Timer
Noise Reduction	2D/3D DNR
Image Enhancement	HLC, BLC, Defog, WDR
Wide Dynamic Range	True WDR (120 dB)
Privacy Masking	4 areas
Event	
Alarm Triggers	IVS, Motion detection, Alarm input, Network alarm, Disk alarm, Day/Night switch alarm, Abnormal sound detection
Event Actions	Alarm record, Alarm output, FTP upload, Email notification, Snapshot, Audible alarm output
Network	
Protocols	IPv4/IPv6, HTTP/HTTPS, DNS, DDNS, DHCP, PPPoE, RTSP/ RTPC/RTP, TCP/UDP, NTP, ARP, UPnP, FTP, SMTP, QoS, ICMP, IGMP, SMTP, 802.1x, SNMP, Multicast
Application Programming Interface	ONVIF (Profile S/T/G/M), SDK, CGI
Max Concurrent Streams	10 channels
User/Host Level	32+ users, 3 levels: Administrator, Operator, Media user
Web Viewer	Chrome, Firefox, Microsoft Edge, IE11 or earlier
Security	
Secure Boot	Supported
Firmware Protect	Encrypted firmware, Signed firmware
User Authentication	Digest authentication, Brute-force attack protection

Network Authentication	IEEE 802.1X (EAP-TLS)
Secure Communication	HTTPS, WSS (WebSocket Secure), SRTP
Access Control	IP-based access control, Auto logout
Data Protect	Encryption credentials
Audit	Access, system, and event log management
Secure Storage	AES-256 encrypted SD card storage
Supply Chain Security	SBOM
Hardware Security	FIPS 140-3 Level 3 certified Secure Element

Interface

Network Interface	1 × RJ45 10/100 Mbps Ethernet port
Audio Interface	1 input, 1 output
Alarm Interface	2 inputs, 1 output
RS-485	1 × RS-485
SD Card Slot	Built-in microSD card slot (up to 1 TB) *Memory card must be factory pre-installed and is not field-installable.
Reset Button	Supported

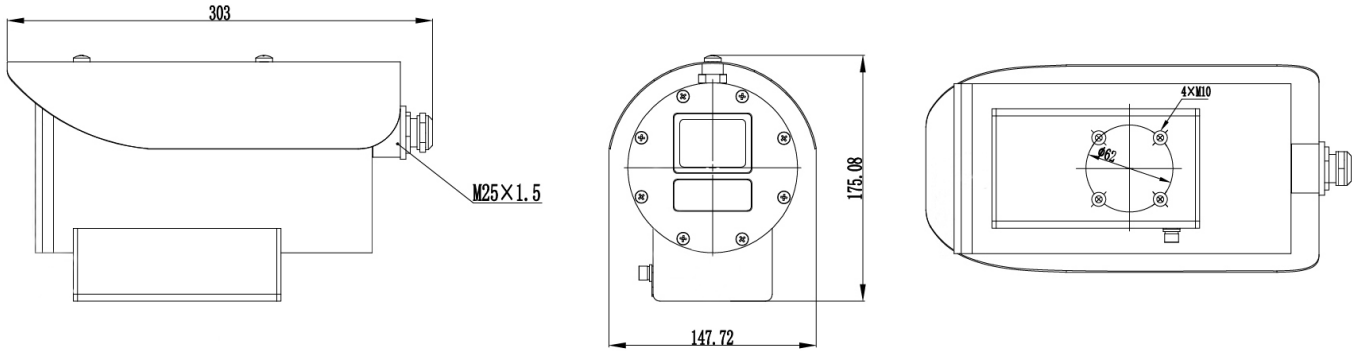
General

Language	English, Chinese, Traditional Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian, Japanese, Korean. Default: English
Power Supply	100–240 VAC
Power Consumption	Max. 25 W
Operating Temperature	-40 °C to 60 °C (-40 °F to 140 °F)
Operating Humidity	≤ 95% RH (Non-condensing)
Ingress Protection	IP66/IP68
Certifications	CE, FCC
Material	SUS316L
Dimensions	303 × 147.72 × 175.08 mm (11.93 × 5.82 × 6.89 in)
Net Weight	Approx. 5 kg (11.02 lb)

DORI Distance (EN 62676-4 standard)

Detect	130–800 m (426.51–2,624.67 ft)
Observe	52–320 m (170.6–1,049.87 ft)
Recognize	26–160 m (85.3–524.93 ft)
Identify	13–80 m (42.65–262.47 ft)

Dimensions (mm)

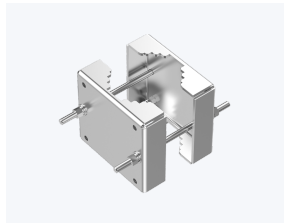


Accessories

Optional:



IK-AW401
Wall Mount Bracket



IK-AP406
Pole Mount Bracket



IK-ACR407
Corner Mount Bracket



IK-AJ400
Explosion-proof Junction Box