



IK-T8844FS-VZ

8MP Smart Dual Light Varifocal Turret Network Camera

Key Features

- 1/1.8" STARVIS™ CMOS
- Max. 8MP(3840×2160) @25/30fps resolution
- 3.6 to 11 mm motorized focal lens
- Support face, human, vehicle detection and capture
- Intelligent analysis: intrusion, single / double line crossing, loitering, wrong-way detection, illegal parking, smart motion detection, and people counting
- True WDR, 3D DNR, ROI, Defog, HLC
- Smart IR distance up to 50 m
- Built-in mic and speaker, 1/1 audio input/output, 1/1 alarm input/output
- Built-in micro SD card slot (up to 1 TB)
- IP66 protection

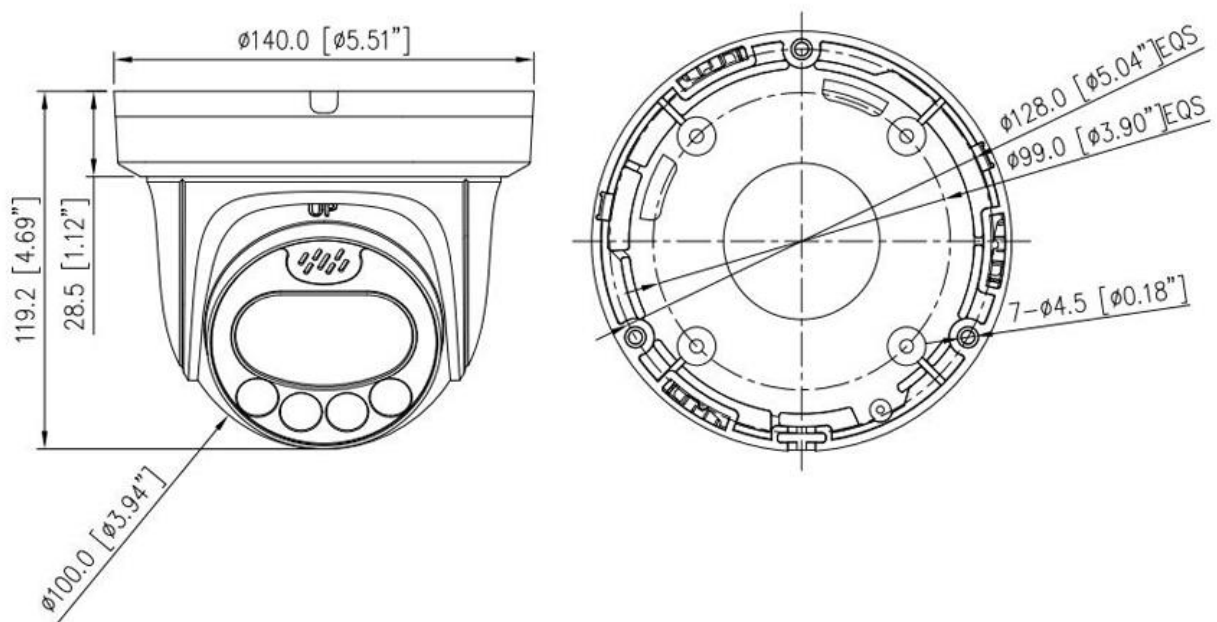
Specification

Camera				
Image Sensor	1/1.8” Progressive Scan CMOS			
Max. Resolution	3840(H) × 2160(V)			
Electronic Shutter	Auto/Manual, 1/5 to 1/20,000s			
Min. illumination	Color: 0.003 Lux @ (F1.3, AGC ON) , 0 Lux with IR on			
Day & Night	Auto (ICR)			
Wide Dynamic Range	True WDR			
Angle Adjustment	Pan: 0° to 355°, Tilt: 0° to 80°, Rotation: 0° to 360°			
Lens				
Lens Type	Varifocal lens, Motorized focal			
Iris	DC Iris			
Focal Length	3.6 to 11 mm			
Max. Aperture	F1.3			
Field of View (FOV)	H: 113.4° to 48.9°, V: 59° to 26.6°			
DORI Distance				
Lens	Detect	Observe	Recognize	Identify
Wide (3.6 mm)	85.4 m (280.2 ft)	34.2 m (112.2 ft)	17.1 m (56.1 ft)	8.5 m (27.9 ft)
Tele (11 mm)	184.8 m (606.3 ft)	73.9 m (242.5 ft)	37 m (121.4 ft)	18.5 m (60.7 ft)
DORI (Detect, Observe, Recognize, and Identify) is a standard system (EN-62676-4) for defining the ability of a person viewing the video to distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent function distances.				
Illuminator				
Illuminator Type	IR, Warm light			
Illumination Distance	IR distance up to 50 m (164.0 ft) Warm light distance up to 40 m (131.2 ft)			
Illumination On/Off Control	Auto/Manual			
Intelligent Analytics				
Multi-Object Detection	Supports face, human, vehicle detection and capture			
Intelligent Analysis	Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way detection, Illegal parking, and Smart motion detection Support alarm triggering by specified target types (human and vehicle)			
People Counting	Support			

Video and Audio	
Streaming Capability	3 Streams
Stream/Frame Rate	Stream1: 3840×2160, 2592×1944, 2592×1520, 2560×1440, 2304×1296, 1920×1080, 1280×720 @25/30fps Stream2: D1, VGA, CIF @25/30fps Stream3: VGA, CIF, QVGA @25/30fps
Bit Rate Control	CBR/VBR
Bit Rate	Stream1: 200 Kbps to 16 Mbps Stream2: 100 Kbps to 6 Mbps Stream3: 100 Kbps to 3 Mbps
Smart Encoder	Support
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
Aisle Mode	Support
Mirror	Support
White Balance	Auto/Manual
Day/Night Setting	Auto, Day, Night, Time
Noise Reduction	2D/3D DNR
Image Enhancement	HLC, BLC, Defog, WDR
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, SMTP upload, Audible alarm output, White light alarm output
Network	
Protocols	IPv4/IPv6, HTTP/HTTPS, DNS, DDNS, DHCP, PPPoE, RTSP/ RTCP/RTP, TCP/UDP, NTP, ARP, UPnP, FTP, SMTP, QoS, ICMP, IGMP, SMTP, 802.1x, SNMP, Multicast
Interoperability	ONVIF (Profile S/T/G/M), SDK, CGI
User/Host Level	Up to 10 users, 3 levels: Administrator, Operator, Media user
Security	IP address filter, encrypted HTTPS, Illegal login lock, IEEE 802.1x
Web Viewer	<IE11, Chrome, Firefox, Microsoft Edge
Interface	

Network Interface	1 Ethernet (10/100 Base-T) RJ-45 Connector
Built-in Microphone	Support
Built-in Speaker	Support
Audio Interface	1ch Input, 1ch Output
Alarm Interface	1ch Input, 1ch Output
SD Card Slot	Built-in, up to 1 TB
Reset Button	Support
General	
Language	English, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian. Default: English
Power Supply	12 VDC (-10% to +25%)/PoE (802.3af)
Power Consumption	Basic: Max 3.4 W (without light), Max. (Focus + WDR + Speaker + Light on): 9.5 W
Operating Temperature	-40°C to 60°C (-40°F to 140°F)
Operating Humidity	Less than 90% RH
Ingress Protection	IP66
Certifications	CE-EMC (EN 55032:2015+A1:2020, EN 55035:2017+A11:2020, EN 50130-4:2011+A1:2014, EN IEC 61000-6-4:2019, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A2:2021) FCC (FCC 47 CFR 15, Subpart B, ANSI C63.4-2014)
Material	Aluminum alloy body + plastic
Dimensions	φ140 × 119.2 mm (5.51 × 4.69 inch)
Net Weight	0.9 kg (1.98 lb)

Dimensions (mm)



Accessories

Optional:

IK-AJ45G Junction Box	IK-ACC06 Pendant Cap	IK-AC02 Ceiling Bracket	IK-AW01 Corner Mount
			
IK-AW02 Wall Mount	IK-AP01 Pole Mount	IK-ACR02 Corner Mount	
			

