



# IK-B4852FR(-S)-VZ

4MP Starlight IR Varifocal Bullet Network Camera

## Key Features

- 1/2.8" STARVIS™ CMOS
- Max. 4MP(2592×1520) @50/60fps resolution
- 5 to 50 mm motorized focal lens
- Support face, human, vehicle detection and capture
- Intelligent analysis: intrusion, single / double line crossing, loitering, wrong-way detection, smart motion detection, and people counting
- True WDR, 3D DNR, ROI, Defog, HLC
- Smart IR distance up to 100 m
- 1/1 audio input/output, 1/1 alarm input/output
- -S: Built-in speaker
- Built-in micro SD card slot
- IP66, IK10 protection

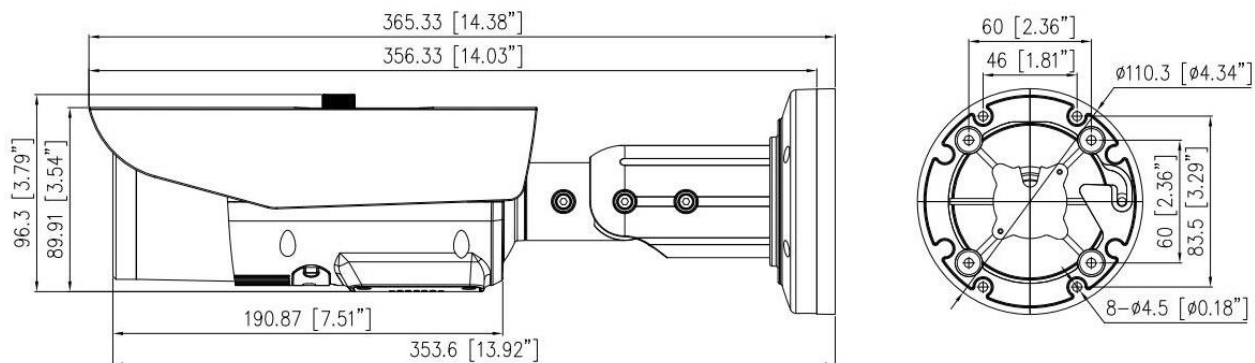
## Specification

Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Max. Resolution	4MP, 2592H) × 1520(V)
Electronic Shutter	Auto/Manual, 1/5 to 1/100,000s
Min. illumination	Color: 0.03 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR
Day & Night	IR cut filter
Wide Dynamic Range	True WDR
Angle Adjustment	Pan: 0° to 360°, Tilt: 0° to 90°, Rotation: 0° to 360°
Lens	
Lens Type	Varifocal lens, Motorized focal
Iris	Auto Iris
Focal Length	5 to 50 mm
Max. Aperture	F2.0
Field of View (FOV)	H: 51.2° to 7.8°, V: 29.4° to 4.6°
DORI Distance	
Detect	136 to 906 m (446.2 to 2,972.4 ft)
Observe	54.4 to 362.6 m (178.5 to 1190.0 ft)
Recognize	27.2 to 181.3 m (89.2 to 595.0 ft)
Identify	13.6 to 90.7 m (44.6 to 297.4 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
Illumination Distance	Up to 100 m (328.1 ft)
Illumination On/Off Control	Auto/Manual
IR wavelength	850 nm
Intelligent Analytics	
Multi-Object Detection	Supports face, human, vehicle detection and capture
Intelligent Analysis	Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way, and Smart motion detection

	Support alarm triggering by specified target types (human and vehicle)
People Counting	Supported
<b>Video and Audio</b>	
Streaming Capability	3 Streams
Stream/Frame Rate	Stream1: 2592×1520, 2560×1440, 2304×1296, 1920×1080, 1280×720 @50/60fps Stream2: D1, VGA, 640×360, CIF, QVGA @25/30fps Stream3: VGA, CIF, QVGA @25/30fps
Bit Rate Control	CBR/VBR
Bit Rate	Stream1: 200 Kbps to 12 Mbps Stream2: 100 Kbps to 6 Mbps Stream3: 100 Kbps to 3 Mbps
Smart Encoder	Supported
Region of Interest (ROI)	Off/On (8 Zone, Rectangle)
Audio Compression	G.711 A-law, G.711 $\mu$ -law, RAW_PCM
Audio Bit Rate	64 Kbps (G.711), 128 Kbps (RAW_PCM)
<b>Image</b>	
Image Adjustment	Brightness, Sharpness, Contrast, Saturation adjustable
Scene Setting	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	WDR, HLC, BLC, Defog
Privacy Masking	4 areas
<b>Event</b>	
Alarm Triggers	IVS, Motion detection, Alarm input, Network alarm, Disk alarm, Day/Night switch alarm, Abnormal sound detection
Event Actions	Alarm record, SMTP upload, FTP upload, Alarm output, Audible alarm output
<b>Network</b>	
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
Max Concurrent Streams	10 channels
User/Host Level	32+ users, 3 levels: Administrator, Operator, Media user

Security	IP address filter, HTTPS, Illegal login lock, IEEE 802.1x
Web Viewer	<IE11, Chrome, Firefox, Microsoft Edge
<b>Interface</b>	
Network Interface	1 Ethernet (10/100 Base-T) RJ-45 Connector
Built-in Speaker	-S: Supported
Audio Interface	1ch Input, 1ch Output
Alarm Interface	1ch Input, 1ch Output
SD Card Slot	Built-in, up to 256GB
Reset Button	Supported
<b>General</b>	
Language	English, Chinese, Traditional Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian, Japanese, Korean. Default: English
Power Supply	12 VDC (-10% to +25%)/PoE (802.3af)
Power Consumption	Basic: Max 3.6 W (IR OFF), Max 11 W (IR ON) Max. (Focus + WDR + Speaker + IR on): 13 W
Operating Temperature	-40°C to 55°C (-40°F to 131°F )
Operating Humidity	Less than 90% RH
Ingress Protection	IP66, IK10
Certifications	CE-EMC - EN 55032, EN IEC 61000-6-3, EN IEC 61000-3-2, EN 61000-3-3, EN 55035, EN 50130-4 FCC 47 CFR Part 15 Subpart B
Material	Aluminum alloy
Dimensions	φ110.3 × 365.33 mm (φ4.34 × 14.38 inch)
Net Weight	1.45 kg (3.2 lb)

## Dimensions (mm)



## Accessories

Optional:

IK-AJ45G Junction Box	IK-AP27D Pole Mount	IK-AP01 Pole Mount	IK-ACR02 Corner Mount
			

