



ULTRA-MD8F28

8MP Starlight IR Fixed Mini Dome Network Camera



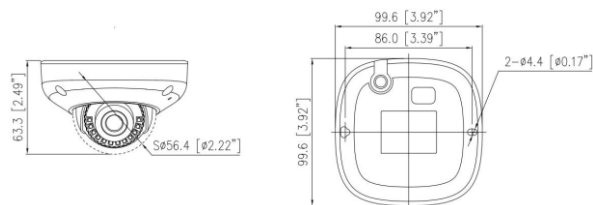
KEY FEATURE

- 1/1.8" STARVIS CMOS
- Max. 8MP(3840×2160) @25/30fps resolution
- 2.8mm fixed lens (4mm optional)
- True WDR, 3D DNR, ROI, HLC, Defog
- Support face, human, vehicle detection and capture
- Intelligent analysis: intrusion, single/double line crossing, loitering, wrong way, illegal parking, smart motion detection, people counting
- 1/1 audio input/ output, 1/1 alarm input/ output
- Built-in microphone
- Smart IR distance up to 30m
- Built-in micro SD card slot (up to 1 TB)
- IP67, IK10 protection

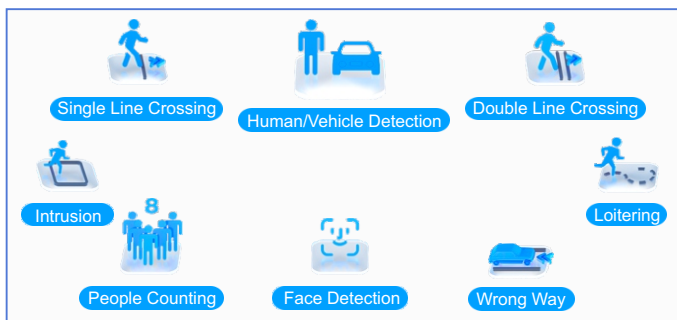
ACCESSORIES



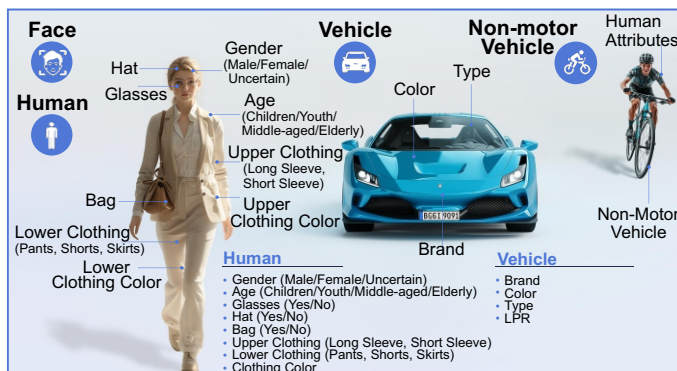
DIMENSIONS (MM)



FREE STANDARD EMBEDDED ANALYTIC



OPTIONAL EXTENSIBLE ANALYTICS





SPECIFICATION

CAMERA

Image Sensor	1/1.8" Progressive Scan CMOS
Max. Resolution	8MP (3840×2160)
Electronic Shutter	Auto/Manual, 1/5 ~ 1/20,000s
Min. illumination	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR
Day & Night	Auto (ICR)
Wide Dynamic Range	True WDR
Angle Adjustment	Pan: ±45°, Tilt: 0° ~ 72°, Rotation: 0° ~ 360°

LENS

Lens Type	Fixed lens, Fixed focal
Iris	Fixed Iris
Focal Length	2.8 mm, 4 mm optional
Max. Aperture	F1.6
Field of View (FOV)	2.8 mm: H: 110.5°, V: 56.5° 4 mm: H: 88.4°, V: 50°

DORI Distance

Lens	Detect	Observe	Recognize	Identify
2.8 mm	89.7m (294.3ft)	35.9m (117.8ft)	17.9m (58.7ft)	9m (29.5ft)
4 mm	100m (328.1ft)	40m (131.2ft)	20m (65.6ft)	10m (32.8ft)

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	IR distance up to 30 m (98.4 ft)
Illum. On/Off Control	Auto/Manual

VIDEO

Streaming Capability	3 Streams
Stream/Frame Rate	Stream1: 3840×2160, 2592×1944, 2560×1520, 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: 200kbps~16Mbps Stream2: 100kbps~6Mbps Stream3: 100kbps~3Mbps
Smart Encoder	Support
Region of Interest	Off/On (8 Zone, Rectangle)

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

INTELLIGENT ANALYTICS

Multi-Object Detection	Supports face, human, vehicle detection and capture
Intelligent Analysis	Intrusion, Single/Double line crossing, Loitering, Wrong way and Smart motion detection, Illegal parking, People counting Support alarm triggering by specified target types (human and vehicle)

AUDIO

Compression	G.711 A-law, G.711 μ-law, RAM PCM
Bit Rate	64 Kbps (G.711), 128 Kbps (RAW_PCM)

EVENT

Alarm Triggers	IVS, Motion detection, Alarm input, Network alarm, Disk alarm, Abnormal sound detection
Alarm Events	Alarm record, Alarm output, FTP upload, SMTP upload, Audible alarm output

NETWORK

Protocols	IPv4/IPv6, HTTP/HTTPS, DNS, DDNS, DHCP, PPPoE, RTSP/ 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	No
Audio Interface	1ch Input, 1ch Output
Alarm Interface	1ch Input, 1ch Output
Reset Button	Support
SD Card slot	Built-in, up to 1TB

GENERAL

Language	English, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian. Default: English
Power Supply	DC12V (-10%~+25%)/POE (802.3af)
Power Consumption	Without IR: max. 3.25 W (12 VDC), With IR: max. 5.4 W (12 VDC)
Operating Temperature	-40°C ~ 60°C (-40°F ~ 140°F)
Operating Humidity	Less than 90% RH
Ingress Protection	IP67, IK10
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)
Material	Base: aluminum, cover: plastic, bubble: plastic
Dimensions	99.6 × 99.6 × 63.3mm (3.92×3.92×2.49inch)
Net Weight	0.48 kg (1.06 lb)