

2 x 4MP Dual-Directional
Fixed Dome Network Camera

LXIP7742NW2-28MDA



Key Features

- Max. 2 x 4MP Resolution
- Max. 20 fps @ 4MP (2688 × 1520)
- 1/2.7" CMOS large image sensor
- Min. Illumination 0.0005 Lux @ F1.6 (B/W)
- Built-in 2 x 2 IR lights, the max. illumination distance is 100 ft
- MD2.0 & VCA (Video Content Analytics): Line crossing, intrusion, object placement, parking detection, aggregate detection, object fetch, loitering detection
- Face Detection, People Counting
- Built-in MIC
- Built-in Micro SD card slot, up to 256 GB
- 12 VDC and PoE+ power supply
- IP67 and IK10

Specification

Camera

Image Sensor	Dual 1/2.7" CMOS sensor
Min. Illumination	0.0005 Lux @ F1.6(B/W)
E-shutter Speed	Auto/Manual: 1/3 s–1/100,000 s
S/N Ratio	> 56 dB
Noise Reduction	3D NR
Wide Dynamic Range	120 dB
Day & Night	Color, B/W
Angle Adjustment	For both cameras: • Pan: –90° to 90° • Tilt: 0° to 55° • Rotation: 0° to 360°
Lens Type	Fixed, 2.8 mm@F1.6
Iris Type	Fixed
Field of View	Horizontal: 101°, Vertical: 54°, Diagonal: 120°
Close Focus Range	3.61 ft (1.1 m)
DORI	• Detect: 200 ft • Observe: 80 ft • Recognize: 40 ft • Identify: 20 ft
Illuminators	4 x IR Lights
Illumination Range	Up to 100 ft (30m)
Illuminator Control	Auto, Manual

Video

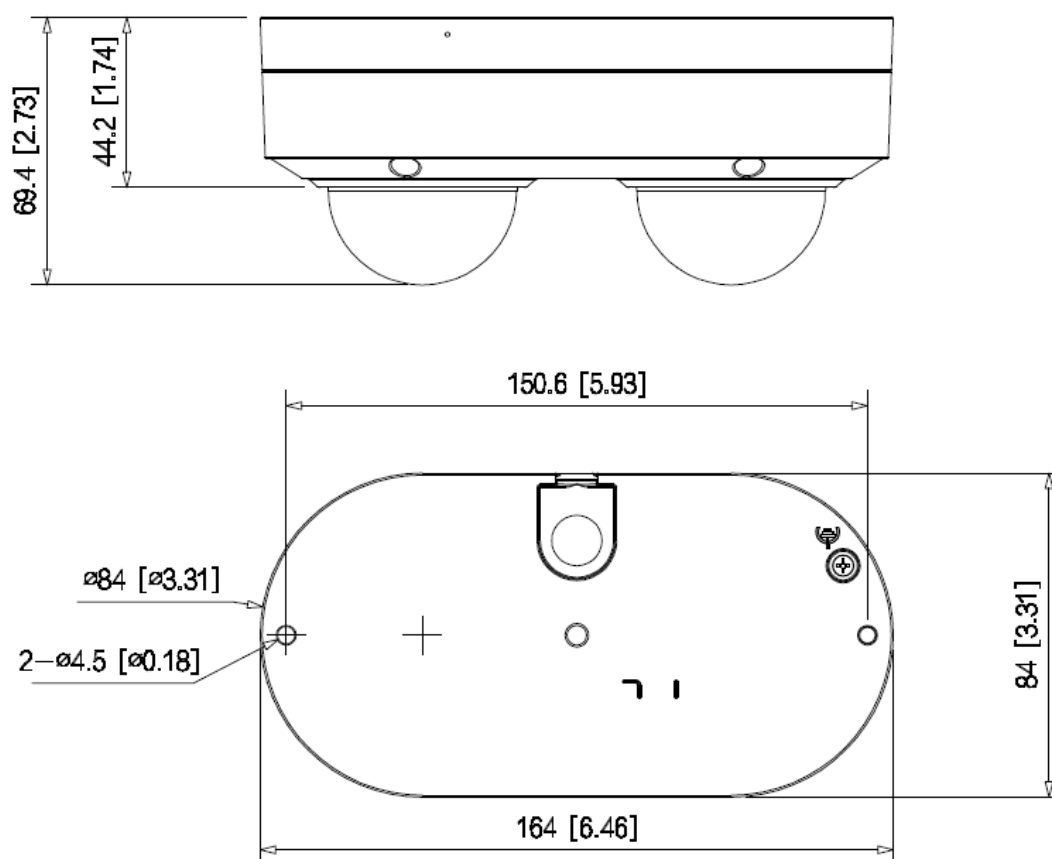
Video Compression	H.265, H.264, MJPEG (Sub Stream1 Only)
Resolution	4MP (2688 × 1520), 4MP (2560 × 1440), 3MP (2304 × 1296/2048 × 1536), 1080p (1920 × 1080), 1.3MP (1280 × 960), 720P (1280 × 720), D1 (704 × 480), VGA (640 × 480), CIF (352 × 240)
Frame Rate	• Main stream: 4MP (2688 × 1520) at 20 fps, 4MP (2560 × 1440) at 30 fps • Sub stream: D1 (704 × 480) at 30 fps
Video Stream	3 streams
Bit Rate Control	ABR, CBR, VBR
ROI	Supported (4 areas)
Image Rotation	0°, 90°, 180° and 270° (90° and 270° only for 2688 × 1520 resolution and lower)

Mirror	Supported
Privacy Mask	Supported (4 areas)
Audio	
Built-in MIC	Yes
Audio Compression	PCM, G.711a, G.711u
Intelligent Analysis	
VCA (Video Content Analytics)	Line crossing, intrusion, object placement, parking detection, aggregate detection, object fetch, loitering detection
MD2.0	Supported
Face Detection	Face detection, snapshot, snapshot optimization, optimal face snapshot upload, face enhancement, face snapshot set as face or one-inch photo, snapshot strategies (real-time snapshot, quality priority and optimization snapshot), face angle filter, optimization time setting
People Counting	Cross-line people counting, area people counting, as well as generating and exporting reports for a specified time period
Event	
Alarm Event	No SD card, SD card full, SD card error, network disconnection, IP conflict, motion detection, video tampering, external alarm, security exception, audio detection, AI Event, scene changing, voltage detection
Network	
Protocol	IPv4, IPv6, DNS, TCP, UDP, DHCP, HTTP, HTTPS, 802.1X, RTSP, DDNS, P2P, SMTP, RTMP, PPPoE, UPnP, SNMP, Bonjour, QoS, Auto Registration, ICMP, IGMP, FTP, SFTP, RTP, RTCP, NTP, NFS
Interoperability	ONVIF (Profile S & Profile G & Profile T), CGI
Storage	FTP, SFTP, Micro SD card (support max. 256 GB), NAS
Web Browser	Edge, Chrome, Firefox
APP	PRO-X NEXT
PC Client	X-STATION
Interface	
Network port	RJ-45 (10/100 Base-T)
Micro SD card Slot	Yes
Audio In and Out	1 × Input, 1 × Output
Alarm In and Out	1 channel in: wet contact, 5 mA 3–5 VDC; 1 channel out: wet contact, 300 mA 12 VDC
Reset Button	Supported
General	
Power Supply	12 VDC / PoE+ (802.3at)

Power Consumption	12 VDC: Max 13 W, Typical 4.8 W / PoE+: Max 15.9 W, Typical 6.5 W
Housing Material	Metal
Dimensions	6.46" × 3.31" × 2.73" (164 mm × 84 mm × 69.4 mm) (L × W × H)
Dimension With Box	8.07" × 4.76" × 3.98" (205 mm × 121 mm × 101 mm) (L × W × H)
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)
Protection Grade	IP67, IK10
Net Weight	1.47 lb (666 g)
Gross Weight	1.94 lb (878 g)
Certification	FCC

Dimensions

mm [inch]



Accessories