

4 MP Pro-X Intelligent Vari-focal Series

LXIP3743W-MDAZ



Key Features

- Resolutions up to 4 MP (2688 × 1520) @ 30 fps
- 1/3" Starlight CMOS image sensor
- Min. illumination 0.005 Lux @ f1.5 (Color, 30 IRE), 0 Lux with IR light on
- Built-in IR LED, Matrix IR LED up to 131 feet
- Smart encoding H.264 / H.265
- 120 dB True WDR, 3D DNR, HLC, BLC
- Motion Detection 2.0 focuses on persons & vehicles
- Smart VCA by AI algorithm
- Built-in MicroSD card storage up to 256 GB
- Built-in mic
- 12 VDC / POE power supply
- IP67 protection rating

Specifications

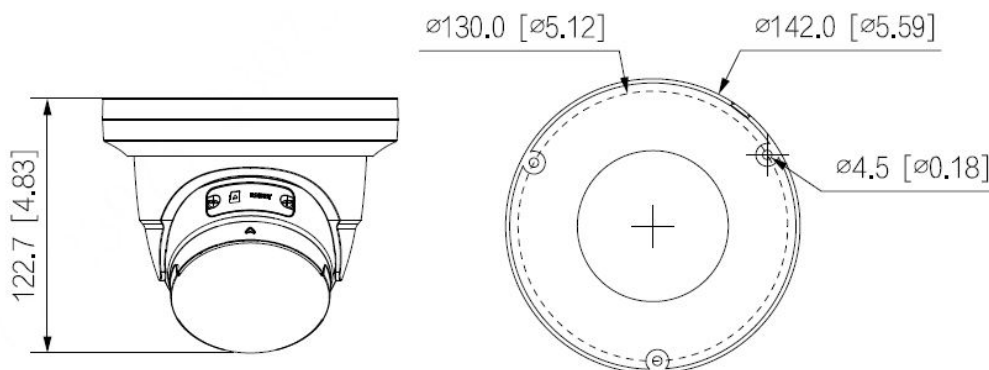
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Camera	
Image Sensor	1/3" 4 MP progressive CMOS
Min. Illumination	0.005 Lux @ f1.5 (Color, 30 IRE), 0.0005 Lux @ f1.5 (B&W, 30 IRE), 0 Lux (illuminator on)
Shutter Speed	Auto / Manual 1/3 - 1/100,000 sec.
S/N Ratio	> 56 dB
Noise Reduction	3D DNR
Wide Dynamic Range	120 dB
Day & Night	Auto (ICR) / Color / B&W
Angle Adjustment	Pan: 0° - 360°, Tilt: 0° - 78°, Rotation: 0° - 360°
Lens Type	Motorized, vari-focal 2.7 - 13.5 mm @ f1.5
Iris Type	Fixed
Field of View	Horizontal: 104° -27°, Vertical: 55°-15°, Diagonal: 124°-31°
Close Focus Range	2.6 ft (0.8 m)
DORI	W: Detect: 210.0 ft (64.0 m), Observe: 84.0 ft (25.6 m), Recognize: 42.0 ft (12.8 m), Identify: 21.0 ft (6.4 m) T: Detect: 728.3 ft (222.0 m), Observe: 291.3 ft (88.8 m), Recognize: 145.7 ft (44.4 m), Identify: 72.8 ft (22.2 m)
Illuminator	2 (IR LED)
Illumination Range	131.2 ft (40 m)
Illuminator Control	Auto / Manual
Video	
Video Compression	MJPEG (only supported by sub stream), H.264, H.264H, H.264B, H.265
Smart Codec	Supported
Resolution	4 MP (2688 × 1520), 3 MP (2304 × 1296), 1080p (1920 × 1080), 1.3 MP (1280 × 960), 720p (1280 × 720), D1 (704 × 576 / 704 × 480), VGA (640 × 480), CIF (352 × 288 / 352 × 240)
Video Frame Rates	Main stream 2688 × 1520 @ 1 - 30 fps Sub stream 704 × 576 @ 1 - 25 fps / 704 × 480 @ 1-30 fps Third stream 1280 × 720 @ 1 - 30 fps
Video Stream	3 streams
Bit Rate Control	CBR, VBR
Video Bit Rates	H.264: 3 Kbps - 8,192 Kbps H.265: 3 Kbps - 8,192 Kbps
ROI	Supported (4 areas)
Image Rotation	0° / 90° / 180° / 270° (supports 90° / 270° with 1920 × 1080 resolution or lower)
Mirror	Supported
Privacy Mask	Supported (4 areas)
Audio	
Built-in Mic	Yes
Audio Compression	G.711 a, G.711 Mu, G726
Intelligent Analysis	
VCA	Tripwire, intrusion (supports classification and accurate detection of vehicles and persons)
MD 2.0	Yes, support alarm triggered by vehicles and persons)
Event Types	
Alarm events	No SD card, SD card full, SD card error, less service time of SD card (smart card supports), network disconnection, IP conflict, illegal access, voltage detection, security exception, motion detection, video tampering, scene changing, intensity change, tripwire, intrusion, IMD

Network	
Protocols	IPv4, IPv6, HTTP, TCP, UDP, ARP, RTP, RTSP, RTCP, RTMP, SMTP, FTP, SFTP, DHCP, DNS, DDNS, QoS, UPnP, NTP, Multicast, ICMP, IGMP, NFS, PPPoE, SNMP
Interoperability	ONVIF (Profile S / Profile G / Profile T), API, P2P
Storage	FTP, SFTP, MicroSD Card (supports up to 256 GB), Cloud, NAS
Web Browsers	IE: IE8, IE9, IE11, Chrome, Firefox
Client	PRO-X, X Station
Interface	
Network	RJ-45 (10/100 Base-T)
General	
Power	12 VDC / PoE (802.3 af), < 8.3 W
Housing	Aluminum alloy body, except for trim ring
Dimensions	4.83 × Φ 5.59" (122.7 × Φ 142 mm)
Operating Conditions	-22° to 140° F (-30° to 60° C), less than 95%
Storage Conditions	-40° to 140° F (-40° to 60° C)
Protections	IP67
Net Weight	1.7 lb (0.79 kg)
Gross Weight	2.1 lb (0.93 kg)
Certifications	FCC

Dimensions (mm[inch])

mm [inch]



Accessories

LXKJB05 Junction Box	LWXM05 Wall Mount
