

4 MP Pro-X Intelligent Vari-focal Series

LXIP7743W-SDZ



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 VCAs using AI algorithms
- Built-in MicroSD card storage up to 256 GB
- Supports alarm and audio interface
- 12 VDC / POE power supply
- IP67 and IK10 protection ratings

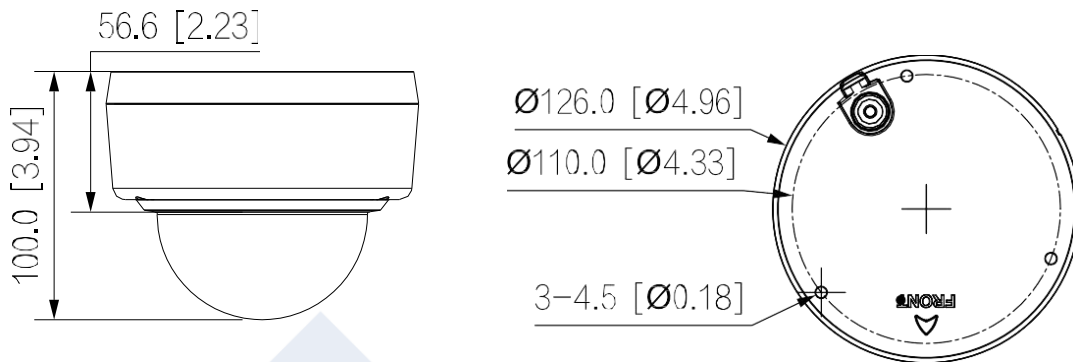
Specifications

LXIP7743W-SDZ

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 Imaging	Auto (ICR) / Color / B&W
Angle Adjustment	Pan: 0° - 355°, Tilt: 0° - 75°, Rotation: 0° - 355°
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	131.23 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
Resolutions	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	
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, supports alarms 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, input abnormal, 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 Cards (supports up to 256 G), NAS
Web Browsers	IE: IE8, IE9, IE11, Chrome, Firefox
Client	Pro-X, X Station
Interface	
Network	RJ-45 (10/100 Base-T)
Audio I/O	1-channel (RCA port) audio input, 1-channel (RCA port) audio output
Alarm I/O	1-channel alarm input: 5 mA, 3 - 5 VDC, 1-channel alarm out: 300 mA, 12 VDC
General	
Power	12 VDC / PoE (802.3 af), < 8.5 W
Housing	Metal
Dimensions	3.94 × Φ 4.96" (100.0 × Φ 126.0 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, IK10
Net Weight	1.3 lb (0.60 kg)
Gross Weight	1.7 lb (0.77 kg)
Certifications	FCC

Dimensions (mm[inch])



Accessories

LXJB02 Junction Box	LXWM01 Wall Mount	LXPM02 Vertical Pole Mount	LXPM02 Horizontal Pole Mount	LXKPD01 Pendant Mount	LXCM01 Corner Mount
					

