

4 MP Pro-X Intelligent Fixed Lens Series

LXIP8542W-28MDA



Key Features

- Resolutions up to 4 MP (2688 × 1520) @ 30 fps
- 1/3" Starlight CMOS image sensor
- Min. illumination 0.005 Lux @ f1.6 (Color, 30 IRE), 0 Lux with IR light on
- Built-in IR LED, Matrix IR LED up to 164 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
- Built-in Mic
- Supports alarm and audio interfaces
- 12 VDC / POE power supply
- IP67 protection rating

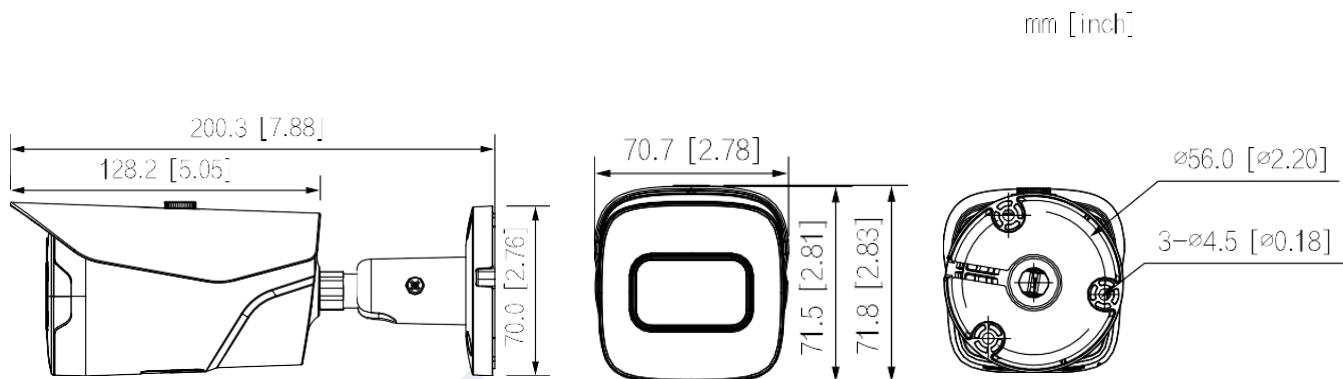
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Specifications




| Camera | |
|----------------------|---|
| Image Sensor | 1/3" 4 MP progressive CMOS |
| Min. Illumination | 0.005 Lux @ f1.6 (Color, 30 IRE), 0.0005 Lux @ f1.6 (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° - 360°, Tilt: 0° - 90°, Rotation: 0° - 360° |
| Lens Type | Fixed-focal, 2.8 mm @ f1.6 |
| Iris Type | Fixed |
| Field of View | Horizontal: 103°, Vertical: 55°, Diagonal: 122° |
| Close Focus Range | 3.0 ft (0.9 m) |
| DORI | Detect: 183.7 ft (56.0 m) , Observe: 73.5 ft (22.4 m) , Recognize: 36.8 ft (11.2 m), Identify: 18.4 ft (5.6 m) |
| Illuminator | 1 (IR LED) |
| Illumination Range | 164.0 ft (50 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 | |
| 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, 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 Card (supports up to 256 GB), 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), < 5.4 W |
| Housing | Metal |
| Dimensions (L x W x H) | 7.9 x 2.8 x 2.8" (200.3 x 70.7 x 71.8 mm) |
| Operating Conditions | -40° to 140° F (-40° to 60° C), less than 95% |
| Storage Conditions | -40° to 140° F (-40° to 60° C) |
| Protections | IP67 |
| Net Weight | 1.2 lb (0.55 kg) |
| Gross Weight | 1.6 lb (0.74 kg) |
| Certifications | FCC |

Dimensions (mm [inch])



Accessories

| LXKJB01 Junction Box | LXPM01 Vertical Pole Mount | LXCM01 Corner Mount |
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