

8MP Pro-X Intelligent Color Series

LXIP3C82W-28MDA



Key Features

- Outputs max. 8MP (3840×2160) @30fps
- 1/1.8" CMOS image sensor
- Min. Illumination 0.0005 Lux @ F1.0, 0 Lux with white light
- Built-in warm light LED, Matrix warm light LED up to 98ft
- Smart encoding H.265/H.264
- 130dB True WDR, 3D DNR, HLC, BLC
- MD 2.0 focuses on human & vehicle
- Intelligent Analysis: VCA, face detection, people counting, heat map etc
- Support X-Search (works with Pro Al Series NVR LXN9xxxD)
- Built-in MIC
- Built-in Micro SD card slot, up to 512 GB
- 12V DC/PoE power supply, X-POE
- IP67 protection



Specification

LXIP3C82W-28MDA

| Image Sensor1/1.8" 8Megapixel progressive CMOSMin. Illumination0.0005 Lux @ F1.0, 0 Lux with White lightShutterAuto/Manual 1/3 s-1/100, 000 sS/N Ratio> 56 dBNoise Reduction3D NRWide Dynamic Range130 dBDay & NightColor/B/WAngle AdjustmentPan: 0°-360°, Tilt: 0°-78°, Rotation: 0°-360°Lens TypeFixed-focal 2.8mm@F1.0Iris TypeFixedField of ViewHorizontal:110°, Vertical: 59°, Diagonal: 130°Close Focus Range5.0 m (16.40ft)DORIDetect: 84.4m(276.83ft), Observe: 33.8 m(110.86ft), Recognize: 16.9 m(55.43ft), Identify: 8.4 m(27.55ft)Illuminator2 (warm light)Illuminator Range30 m (98ft)Illuminator ControlAuto/ManualVideoVideoVideo CompressionH.265, H.264, H.264H, H.264B, MJPEG(only supported by sub stream)Smart CodecSupported | Camera | | | |
|--|--------------------|--|--|--|
| Min. Illumination 0.0005 Lux @ F1.0, 0 Lux with White light | | 1/1.8" 8Megapixel progressive CMOS | | |
| Shutter Auto/Manual 1/3 s-1/100, 000 s S/N Ratio > 56 dB Noise Reduction 3D NR Wide Dynamic Range 130 dB Day & Night Color/B/W Angle Adjustment Pan: 0°-360°, Tilt: 0°-78°, Rotation: 0°-360° Lens Type Fixed Fixed Field of View Horizontal: 10°, Vertical: 59°, Diagonal: 130° Close Focus Range 5.0 m (16.40°t) DORI Detect: 84.4m(276.83°t), Observe: 33.8 m(110.86°t), Recognize: 16.9 m(55.43°t), Identify: 84 m(27.55°t) Illuminator 2 (warm light) Illuminator Range 30 m (98ft) Illuminator Control Auto/Manual Video H.265, H.264, H.264H, H.264B, MJPEG(only supported by sub stream) Smart Codec Supported Resolution 8M (3840 × 2160), 6M (3072 × 2048), 5M (3072 × 1728/2592× 1944), 4M (2688 × 1520), 3M (2048 × 1536), 1080 (1920 × 1080), 1.3M (1280 × 960), 720p (1280 × 720), D1 (704 × 576/704 × 480), VGA (640 × 480), VGA (640 × 480), CIF (352 × 288/352 × 240) Video Frame Rate Main stream: 3840 × 2160 @ (1 fps- 30 fps) Video Stream 3 streams Bit Rate Control CBR, VBR Video Bit Rate H.264; 32 kbps-1638 | | | | |
| S/N Ratio > 56 d B Noise Reduction 30 NR Wide Dynamic Range 130 d B Day & Night Color/B/W Angle Adjustment Pan: 0"-360", Tilt: 0"-78", Rotation: 0"-360" Lens Type Fixed Field of View Horizontal:110", Vertical: 59", Diagonal: 130" Close Focus Range 5.0 m (16.40ft) DORI Detect: 84.4m(276.83ft), Observe: 33.8 m(110.86ft), Recognize: 16.9 m(55.43ft), Identify: 84 m(27.55ft) Illuminator 2 (warm light) Illuminator Control Auto/Manual Video Auto/Manual Video Compression H.265, H.264, H.264H, H.264B, MJPEG(only supported by sub stream) Smart Codec Supported Resolution 48 M (3840 × 2160), 6M (3072 × 2048), 5M (3072 × 1728/2592× 1944), 4M (2688 × 1520), 3M (2046 × 1536), 1080p (1920 × 1080), 1.3M (1280 × 960), 720p (1280 × 720), D1 (704 × 576/704 × 480), VGA (640 × 480), CIF (352 × 288/352 × 240) Video Frame Rate Main stream: 3840 × 2160 @ (1 fps- 30 fps) Sub stream: D1 @ (1 fps- 30 fps) Sub stream: D1 @ (1 fps- 30 fps) Video Bit Rate H.264: 32 kbps-16384 kbps; H.265: 32 kb | | 3 | | |
| Wide Dynamic Range 130 dB Day & Night Color/B/W Angle Adjustment Pan: 0°-360°, Tilt: 0°-78°, Rotation: 0°-360° Lens Type Fixed-focal 2.8mm@F1.0 Iris Type Fixed Field of View Horizontal:110°, Vertical: 59°, Diagonal: 130° Close Focus Range Do m (16.40ft) DORI Detect: 84.4m(276.83ft), Observe: 33.8 m(110.86ft), Recognize: 16.9 m(55.43ft), Identify: 8.4 m(27.55ft) Illuminator 2 (warm light) Illumination Range 30 m (98ft) Illuminator Control Auto/Manual Video Video Compression Facelution H.265, H.264, H.264H, H.264B, MJPEG(only supported by sub stream) Smart Codec Supported Resolution 8M (3840 × 2160), 6M (3072 × 2048), 5M (3072 × 1728/2592× 1944), 4M (2688 × 1520), 3M (2048 × 1536), 1080p (1920 × 1080), 1.3M (1280 × 960), 720p (1280 × 720), D1 (704 × 576/704 × 480), VGA (640 × 480), CIF (352 × 288/352 × 240) Video Frame Rate Main stream: 3840 × 2160 @ (1 fps- 30 fps) Video Stream 3 streams Bit Rate Control CBR, VBR Video Bit Rate H.264: 32 kbps-16384 kbps; H.265: 32 kbps-16384 kbps; H.265: 32 kbps-16384 kbps; H.265: 32 kbps-16384 kbps; H. | S/N Ratio | | | |
| Day & Night Color/B/W Angle Adjustment Pan: 0°-360°, Tilt: 0°-78°, Rotation: 0°-360° Lens Type Fixed Iris Type Fixed Fixed Fixed Field of View Horizontal:110°, Vertical: 59°, Diagonal: 130° Close Focus Range 5.0 m (16.40ft) DORI Detect: 84.4m(276.83ft), Observe: 33.8 m(110.86ft), Recognize: 16.9 m(55.43ft), Identify: 8.4 m(27.55ft) Illuminator 2 (warm light) Illuminator Control Auto/Manual Video Compression H.265, H.264, H.264H, H.2648, MJPEG(only supported by sub stream) Smart Codec Supported Resolution 8M (3840 × 2160), 6M (3072 × 2048), 5M (3072 × 1728/2592× 1944), 4M (2688 × 1520), 3M (2048 × 1536), 1080p (1920 × 1080), 1.3M (1280 × 960), 720p (1280 × 720), D1 (704 × 576/704 × 480), VGA (640 × 480), VGA (640 × 480), CIF (352 × 288/352 × 240) Video Frame Rate Main stream: 3840 × 2160 @ (1 fps- 30 fps) Video Stream 3 streams Bit Rate Control CBR, VBR Video Bit Rate H.264: 32 kbps-16384 kbps; H.265: 32 kbps-16384 kbps; H.265: 32 kbps-16384 kbps ROI Supported (4 areas) Image Rotation 0°/90°/180°/270° (Support 90°/270° with 2688 × 1520 | Noise Reduction | | | |
| Angle Adjustment | Wide Dynamic Range | | | |
| Fixed | Day & Night | Color/B/W | | |
| Fixed Fixed Fixed Horizontal:110*, Vertical: 59*, Diagonal: 130* | Angle Adjustment | Pan: 0°-360°, Tilt: 0°-78°, Rotation: 0°-360° | | |
| Field of View Horizontal:110°, Vertical: 59°, Diagonal: 130° Close Focus Range 5.0 m (16.40ft) DORI Detect: 84.4m(276.83ft), Observe: 33.8 m(110.86ft), Recognize: 16.9 m(55.43ft), Identify: 8.4 m(27.55ft) Illuminator 2 (warm light) Illuminator Range 30 m (98ft) Illuminator Control Auto/Manual Video Video Compression H.265, H.264, H.264H, H.264B, MJPEG(only supported by sub stream) Smart Codec Supported Resolution 8M (3840 × 2160), 6M (3072 × 2048), 5M (3072 × 1728/2592× 1944), 4M (2688 × 1520), 3M (2048 × 1536), 1080p (1920 × 1080), 1.3M (1280 × 960), 720p (1280 × 720), D1 (704 × 576/704 × 480), VGA (640 × 480), CIF (352 × 288/352 × 240) Video Frame Rate Main stream: 3840 × 2160 @ (1 fps- 30 fps) Third stream: 1920 × 1080 @ (1 fps- 30 fps) Video Stream 3 streams Bit Rate Control CBR, VBR Video Bit Rate H.264: 32 kbps-16384 kbps; H.265: 32 kbps-16384 kbps ROI Supported (4 areas) Image Rotation 0*90°/180°/270* (Support 90°/270* with 2688 × 1520 resolution and lower.) Mirror Supported Privacy Mask Supported (4 areas) Audio Built-in MIC Yes Audio Oropression PCM, G.711a, G.711Mu, G.726, G.723 Intelligent Analysis VCA Tripwire, intrusion (Support the classification and accurate detection of vehicle and human) | Lens Type | Fixed-focal 2.8mm@F1.0 | | |
| Close Focus Range DOR! | Iris Type | Fixed | | |
| DORI | Field of View | Horizontal:110°, Vertical: 59°, Diagonal: 130° | | |
| Illuminator | Close Focus Range | 5.0 m (16.40ft) | | |
| Illumination Range 30 m (98ft) Auto/Manual | | | | |
| Illuminator Control Auto/Manual Video Video Compression H.265, H.264, H.264H, H.264B, MJPEG(only supported by sub stream) Supported Supp | | 2 (warm light) | | |
| Video Video Compression H.265, H.264, H.264H, H.264B, MJPEG(only supported by sub stream) Smart Codec Supported Resolution 8M (3840 × 2160), 6M (3072 × 2048), 5M (3072 × 1728/2592× 1944), 4M (2688 × 1520), 3M (2048 × 1536), 1080p (1920 × 1080), 1.3M (1280 × 960), 720p (1280 × 720), D1 (704 × 576/704 × 480), VGA (640 × 480), CIF (352 × 288/352 × 240) Video Frame Rate Main stream: 3840 × 2160 @ (1 fps- 30 fps) Sub stream: D1 @ (1 fps- 30 fps) Sub stream: D1 @ (1 fps- 30 fps) Third stream: 1920 × 1080 @ (1 fps- 30 fps) Video Stream 3 streams Bit Rate Control CBR, VBR Video Bit Rate H.264: 32 kbps-16384 kbps; H.265: 32 kbps-16384 kbps; H.265: 32 kbps-16384 kbps ROI Supported (4 areas) Image Rotation 0°/90'/180'/270' (Support 90'/270' with 2688 × 1520 resolution and lower.) Mirror Supported Privacy Mask Supported (4 areas) Audio Yes Audio Compression PCM, G.711a, G.711Mu, G.726, G.723 Intelligent Analysis VCA VCA Tripwire, intrusion (Support the classification and accurate detection of vehicle and human) | | 30 m (98ft) | | |
| Video Compression H.265, H.264, H.264H, H.264B, MJPEG(only supported by sub stream) Smart Codec Supported Resolution 8M (3840 × 2160), 6M (3072 × 2048), 5M (3072 × 1728/2592× 1944), 4M (2688 × 1520), 3M (2048 × 1536), 1080p (1920 × 1080), 1.3M (1280 × 960), 720p (1280 × 720), D1 (704 × 576/704 × 480), VGA (640 × 480), CIF (352 × 288/352 × 240) Video Frame Rate Main stream: 3840 × 2160 @ (1 fps- 30 fps) Sub stream: D1 @ (1 fps- 30 fps) Third stream: 1920 × 1080 @ (1 fps- 30 fps) Video Stream 3 streams Bit Rate Control CBR, VBR Video Bit Rate H.264: 32 kbps-16384 kbps; H.265: 32 kbps-16384 kbps ROI Supported (4 areas) Image Rotation 0°/90°/180°/270° (Support 90°/270° with 2688 × 1520 resolution and lower.) Mirror Supported Privacy Mask Supported (4 areas) Audio Yes Audio Compression PCM, G.711a, G.711Mu, G.726, G.723 Intelligent Analysis VCA Tripwire, intrusion (Support the classification and accurate detection of vehicle and human) | | Auto/Manual | | |
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| X 1536), 1080p (1920 × 1080), 1.3M (1280 × 960), 720p (1280 × 720), D1 (704 × 576/704 × 480), VGA (640 × 480), CIF (352 × 288/352 × 240) Video Frame Rate | Smart Codec | Supported | | |
| Sub stream: D1 @ (1 fps- 30 fps) Third stream: 1920 × 1080 @ (1 fps- 30 fps) Video Stream Bit Rate Control CBR, VBR Video Bit Rate H.264: 32 kbps-16384 kbps; H.265: 32 kbps-16384 kbps ROI Supported (4 areas) Image Rotation 0°/90°/180°/270° (Support 90°/270° with 2688 × 1520 resolution and lower.) Mirror Supported Privacy Mask Supported (4 areas) Audio Built-in MIC Yes Audio Compression PCM, G.711a, G.711Mu, G.726, G.723 Intelligent Analysis VCA Tripwire, intrusion (Support the classification and accurate detection of vehicle and human) | Resolution | | | |
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| Video Stream Bit Rate Control CBR, VBR Video Bit Rate H.264: 32 kbps-16384 kbps; H.265: 32 kbps-16384 kbps ROI Supported (4 areas) Image Rotation 0°/90°/180°/270° (Support 90°/270° with 2688 × 1520 resolution and lower.) Mirror Supported Privacy Mask Supported (4 areas) Audio Built-in MIC Yes Audio Compression PCM, G.711a, G.711Mu, G.726, G.723 Intelligent Analysis VCA Tripwire, intrusion (Support the classification and accurate detection of vehicle and human) | | | | |
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| Video Bit Rate H.264: 32 kbps-16384 kbps; H.265: 32 kbps-16384 kbps ROI Supported (4 areas) Image Rotation 0°/90°/180°/270° (Support 90°/270° with 2688 × 1520 resolution and lower.) Mirror Supported Privacy Mask Supported (4 areas) Audio Built-in MIC Yes Audio Compression PCM, G.711a, G.711Mu, G.726, G.723 Intelligent Analysis VCA Tripwire, intrusion (Support the classification and accurate detection of vehicle and human) | Rit Pata Control | | | |
| H.265: 32 kbps-16384 kbps ROI Supported (4 areas) Image Rotation 0°/90°/180°/270° (Support 90°/270° with 2688 × 1520 resolution and lower.) Mirror Supported Privacy Mask Supported (4 areas) Audio Built-in MIC Yes Audio Compression PCM, G.711a, G.711Mu, G.726, G.723 Intelligent Analysis VCA Tripwire, intrusion (Support the classification and accurate detection of vehicle and human) | | | | |
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| Mirror Supported Privacy Mask Supported (4 areas) Audio Built-in MIC Yes Audio Compression PCM, G.711a, G.711Mu, G.726, G.723 Intelligent Analysis VCA Tripwire, intrusion (Support the classification and accurate detection of vehicle and human) | | | | |
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| Audio Built-in MIC Audio Compression PCM, G.711a, G.711Mu, G.726, G.723 Intelligent Analysis VCA Tripwire, intrusion (Support the classification and accurate detection of vehicle and human) | | · · · | | |
| Built-in MIC Yes Audio Compression PCM, G.711a, G.711Mu, G.726, G.723 Intelligent Analysis VCA Tripwire, intrusion (Support the classification and accurate detection of vehicle and human) | | Supported (4 areas) | | |
| Audio Compression PCM, G.711a, G.711Mu, G.726, G.723 Intelligent Analysis VCA Tripwire, intrusion (Support the classification and accurate detection of vehicle and human) | | Yes | | |
| Intelligent Analysis VCA Tripwire, intrusion (Support the classification and accurate detection of vehicle and human) | | | | |
| VCA Tripwire, intrusion (Support the classification and accurate detection of vehicle and human) | | | | |
| | | Tripwire, intrusion (Support the classification and accurate detection of vehicle and human) | | |
| | | | | |



| | • | |
|----------------------|--|--|
| Face Detection | Face detection, snapshot, face attributes extraction including 6 attributes and 8 expressions | |
| People Counting | Tripwire people counting and people counting in area, generating and exporting report (day/month/year) | |
| Heat Map | Supported | |
| X-Search* | Accurate Object Search based on feature Extract and comparison, need work Pro Al Series NVR LXN9xxxD | |
| Event | | |
| Alarm Event | No SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, motion | |
| | detection, video tampering, voltage detection, security exception, tripwire, intrusion, fast | |
| | moving, abandoned object, missing object, loitering detection, people gathering, scene | |
| | | |
| | changing, audio detection, external alarm, face detection, IMD, area people counting, stay | |
| | alarm, people counting, people number exception detection | |
| Network | | |
| Protocol | IPv4, IPv6, HTTP, HTTPS, TCP, UDP, ARP, RTP, RTSP, RTCP, RTMP, SMTP, FTP, SFTP, DHCP, DNS, | |
| | DDNS, QoS, UPnP; | |
| | NTP, Multicast, ICMP, IGMP, NFS, PPPoE, 802.1x | |
| Interoperability | ONVIF(Profile S/Profile G/Profile T), API, P2P | |
| Storage | FTP, SFTP, Micro SD Card (support max. 256 G), NAS | |
| Web Browser | IE, Chrome, Firefox | |
| Client | PRO-X, X Station | |
| Interface | | |
| Network | RJ-45 (10/100 Base-T) | |
| General | | |
| Power | 12V DC/PoE+ (802.3af)/X-POE, < 9.6W | |
| Housing | Aluminum alloy body, except for trim ring | |
| | 142.0 mm × Φ 130 mm | |
| Dimensions | (5.12'' × Φ 5.61'') | |
| Operating Conditions | -40°C to +60°C (-40°F to +140°F)/less than 95% RH | |
| | | |

-40°C to +60°C (-40°F to +140°F)

IP67

FCC

0.89 kg (1.96lb)

1.06 kg (2.34lb)

Storage Conditions
Protection Grade

Net Weight

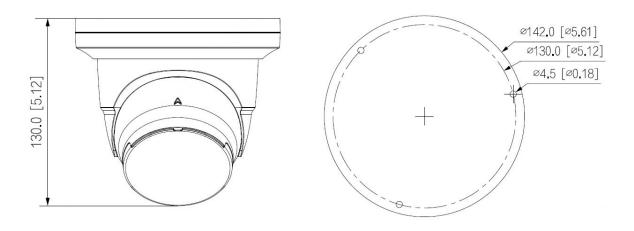
Gross Weight

Certification



Dimensions (mm[inch])

mm[inch]



Accessory

| LXKJB05 Junction Box | LXWM05 Wall Mount |
|-----------------------------|-----------------------------|
| | |