LOREX®
FOR BUSINESS



X3 4K FIXED

Lorex Connect X3 4K PoE Vandal-Resistant Dome Camera

Product Specifications

Camera

Image Sensor	8MP 1/2.7" CMOS
Max Resolution	4K (3840 × 2160)
Max Frame Rate	25 fps
Aspect Ratio	16:9
Wide Dynamic Range	120 dB True WDR
Min Illumination	Color: 0.01 lux / B/W: 0.005 lux 0 lux with IR on
Signal-to-Noise Ratio	50 dB

Lens

Type	Fixed lens, fixed focus
Focal Length / Aperture	2.8 mm / F2
Field of View	Diagonal: 126° Horizontal: 105° Vertical: 56°

DORI Distance

Detect	292 ft (89 m)
Observe	116.8 ft (35.6 m)
Recognize	58.4 ft (17.8 m)
Identify	29.2 ft (8.9 m)

Video

Compression	Nano Codec (Enhanced H.265 Compression), H.265, H.264, MJPEG
Video Streams	Main / Sub / Third Stream
Bit Rate Control	CBR / VBR
Bit Rate	Main: 200 Kbps to 16 Mbps Sub: 100 Kbps to 6 Mbps Third: 100 Kbps to 3 Mbps
Video Format	NTSC

Audio

Microphone	Yes

Night Vision

IR Night Vision	Yes Up to 98.4 ft (30 m) in total darkness
Color Night Vision	Yes

AI Smart Features

Detection	Person, Vehicle, Intrusion, Loitering, Wrong-Way, Unauthorized Parking
Perimeter Protection	Line-Crossing, Dual-Line Crossing
Tracking & Monitoring	Smart Motion
Crowd Analytics	People Counting

Storage & Power

Local SD Storage	MicroSD Slot (Up to 1 TB)*
Power Supply	12V DC / PoE (802.3af)
Max Power Consumption	4.5 W (12 VDC); approx. 5.5 W (PoE)

Network & Connectivity

Interface	RJ45 (10/100 Base-T)
Protocols / Integration	ONVIF Profiles G/M/S/T, RTSP, SDK, CGI

Physical

Housing Material	Aluminum Alloy
Colors	Black / White
Mounting Adjustment Range	Pan: 0°-335° / Tilt: 0°-75° Rotation: 0°-350°
Camera Dimensions (D × H)	Ø4.33 × 3.36 in Ø110 × 85.4 mm
Camera Weight	0.93 lb / 0.42 kg

Environmental

IP Rating	IP67
Impact Protection	IK10
Operating Temperature	-22°F to 140°F / -30°C to 60°C
Operating Humidity	≤ 95% RH

Package Information

Black: CNL01P-1DB-AB1	UPC: 6-95529-06750-6
White: CNL01P-1DW-AB1	UPC: 6-95529-06749-0
Package Type	Brown Box
Package Dimensions (W × D × H)	5.24 × 5.24 × 4.33 in 133.10 × 133.10 × 109.98 mm
Package Weight	1.1464 lb / 0.5200 kg

Series Family: X
Series Line: X3
SKU: CNL01P-1DB-AB1, CNL01P-1DW-AB1

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COMPATIBLE WITH
LOREX connect
X SERIES

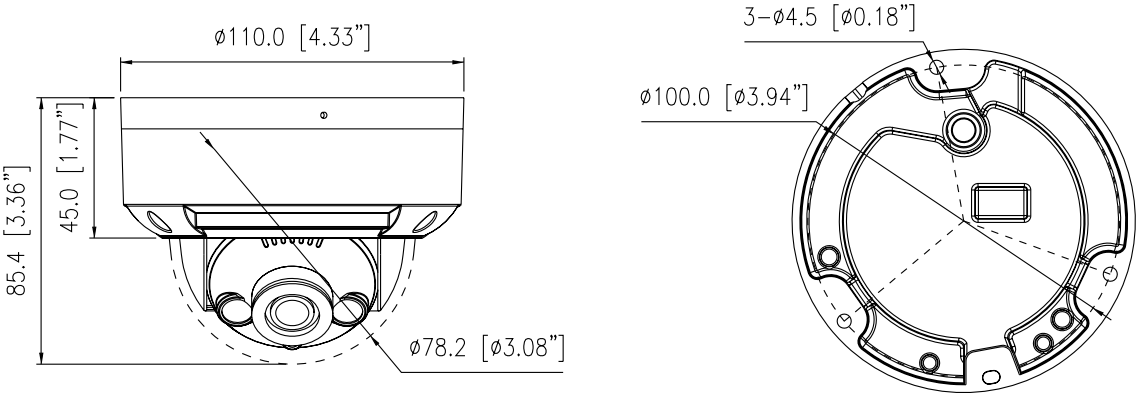
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Package Cube	0.0688 ft³ / 0.001948 m³
Package Contents	1 × Lorex Connect X3 4K PoE Vandal-Resistant Dome Camera 1 × Mounting Template 3 × Mounting Anchors 3 × Mounting Screws 1 × T10 Torx key 1 × Weather-Resistant RJ45 Cable Gland

Camera Dimensions



unit: mm [in]

Disclaimers:
1. Compatible with select Lorex Network Video Recorders. For a full list of compatible recorders visit: www.lorex.com/compatibility.
2. Color nighttime video typically switches to black & white IR night vision when there is not sufficient ambient light to ensure optimal low-light image quality.
3. Stated IR illumination range is based on ideal conditions in typical outdoor nighttime ambient lighting up to 98.4 ft / 30 m in total darkness. Actual range and image clarity depends on installation location, viewing area and light reflection/absorption.
4. Audio recording is disabled by default. Audio recording without consent is illegal in certain jurisdictions. Lorex Technology does not assume liability for any use of its product that fails to conform with local laws.
5. Not intended for submersion in water. Installation in a sheltered location recommended.

*A microSD card can be inserted for independent recording. Data can be accessed through the camera using a web browser but will not upload to the NVR or to the cloud for mobile app viewing.

Lorex products are designed for consumer and business use only and not for US federal governments, federally-funded projects or contractors subject to NDAA.

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