LOREX
FOR BUSINESS



X3 4K FIXED

Lorex Connect X3 4K PoE Turret Camera with Advanced Deterrence

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 / F1.6
Field of View	Diagonal: 130° Horizontal: 109.5° Vertical: 59.8°

DORI Distance

Detect	276.2 ft (84.2 m)
Observe	110.6 ft (33.7 m)
Recognize	55.1 ft (16.8 m)
Identify	27.6 ft (8.4 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
Video Format	NTSC

Audio

Microphone	Yes
Speaker	Yes
Two-Way Talk	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
Active Deterrence	White Light, Red and Blue Light, Siren, Pre-Recorded Messages[1]

Storage & Power

Local SD Storage	MicroSD Slot (Up to 1 TB)*
Power Supply	12V DC / PoE (802.3af)
Max Power Consumption	6.8 W (12 VDC); approx. 8.5 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 Decoration ring: ABS
Colors	Black / White
Mounting Adjustment Range	Pan: 0°-355° / Tilt: 0°-80° Rotation: 0°-360°
Camera Dimensions (D × H)	Ø4.37 × 3.97 in Ø111 × 100.8 mm
Camera Weight	0.95 lb / 0.43 kg

Environmental

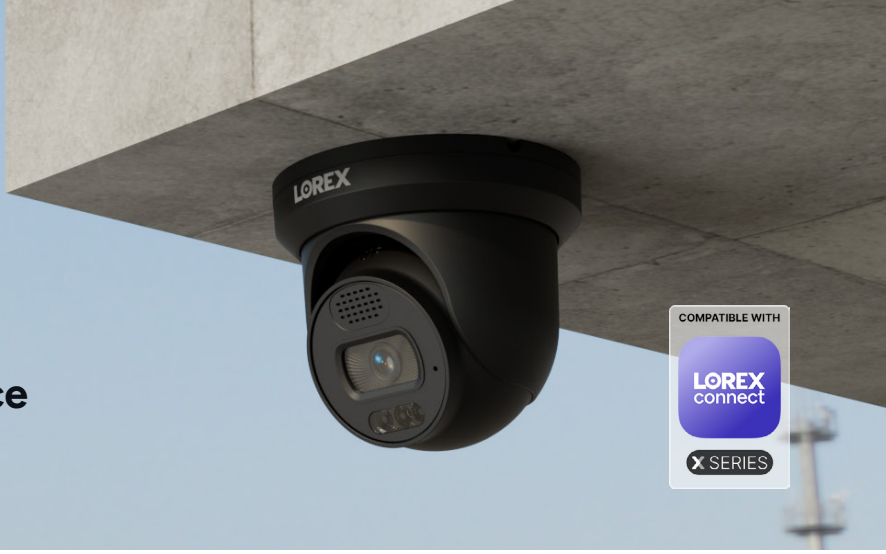
IP Rating	IP66
Operating Temperature	-22°F to 140°F / -30°C to 60°C
Operating Humidity	≤ 95% RH

Package Information

Black: CNL01P-1TB-AB1	UPC: 6-95529-06701-8
White: CNL01P-1TW-AB1	UPC: 6-95529-06700-1
Package Type	Brown Box
Package Dimensions (W × D × H)	5.98 × 5.98 × 4.65 in 151.9 × 151.9 × 118.1 mm

Series Family: X
Series Line: X3
SKU: CNL01P-1TB-AB1, CNL01P-1TW-AB1

LOREX®
FOR BUSINESS



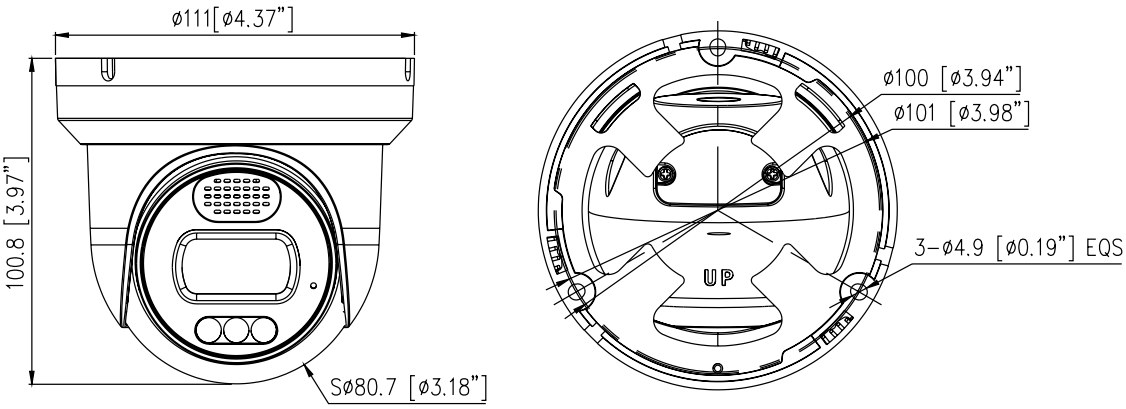
X3 4K FIXED

Lorex Connect X3 4K PoE Turret Camera with Advanced Deterrence

Product Specifications

Package Weight	1.2370 lb / 0.5611 kg
Package Cube	0.0962 ft³ / 0.002725 m³
Package Contents	1 × Lorex Connect X3 4K PoE Turret Camera with Advanced Deterrence 1 × Mounting Template 3 × Mounting Anchors 3 × Mounting Screws 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.

© 2026 Lorex Corporation
As our product is subject to continuous improvement, Lorex Technology & subsidiaries reserve the right to modify product design, specifications & prices without notice and without incurring any obligation. E&OE.

Series Family: X
Series Line: X3
SKU: CNL01P-1TB-AB1, CNL01P-1TW-AB1
www.lorex.com

Lorex Corporation
10440 Little Patuxent Parkway, Ste. 300
Columbia, MD 21044, United States

Lorex Technology Inc.
250 Royal Crest Court
Markham, ON L3R 3C3, Canada