



2K Floodlight Wi-Fi Security Camera with App Controlled Horizontal Pan

Product Specifications



Image Sensor

Type	1/2.8" CMOS
Effective Resolution	2048 × 1536 (3 MP)

Optical

Lens Type	1G4P glass lens
Focal Length	0.13 in (3.3 mm)
Aperture	f/2.0
IR-Cut Filter Switching Speed	200 ms

Video

Max Resolution	2048 × 1536 (3 MP)
Aspect Ratio	4:3
Frame Rates	2048 × 1536 @ 15 fps 640 × 480 @ 15 fps
DWDR	No
White Balance	Automatic
Gain Control	Automatic
Noise Reduction	3D Digital Noise Reduction (3D DNR)
Signal-to-Noise Ratio (SNR)	39 dB
Video Compression	H.265 (High-Efficiency Video Coding)
Field of View (FOV)	• Diagonal: 119.72° • Horizontal: 101.34° • Vertical: 54.46°
Pan	160° adjustment through app control or manually
Tilt	No
Zoom	No

AI Detection & Tracking

Motion Detection	Yes
Person Detection	Up to 23 ft (7 m)
Custom Detection Zones	Motion/person area setup
Auto Tracking	Yes

Lighting

Max Brightness	1,500 lumens
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Brightness Control	Manual, Motion/Person-Activated Light, Ambient Light
Color Temperature	4,000 K
LED Lifespan	102,000 hrs (L70 @ 131°F / 55°C)
LED Replaceable	No
Infrared (IR) Wavelength	850 nm
Number of IR LEDs	6
Night Vision Range	• ≥ 26 ft (8 m) • Color: 10 lux • Black & White (IR ON): 2 lux

Wi-Fi & Connectivity

Wi-Fi Standards	IEEE 802.11 b/g/n
Wi-Fi Frequency Band	2.4 GHz
Security Protocols	WPA, WPA2, WPA3

Audio

Microphone	Built-in
Speaker	Built-in, 90 dB output
Siren	100 dB
2-Way Talk	Yes, full-duplex
Audio Codec	G.711

Storage

Local	Supports up to 256 GB microSD card (V10 speed, FAT32 format)
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Electrical

Max Power Consumption	24 W
Power Supply	DC 12 V, 2 A
Power Cable Length	9.84 ft (3 m)

Smart Home Integrations

Mobile App	Lorex Connect (iOS & Android)
Google Assistant / Amazon Alexa	No





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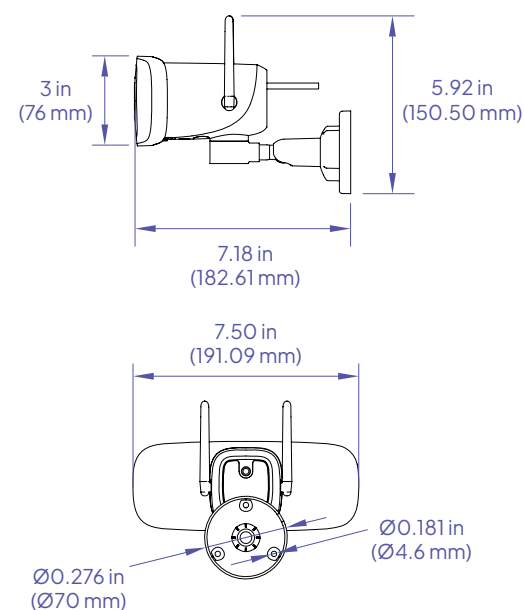


Physical & Environmental

Storage Temperature	-22°F to 140°F (-30°C to 60°C)
Storage Humidity	≤ 90% RH
Operating Temperature	-4°F to 122°F (-20°C to 50°C)
Operating Humidity	10–90% RH
Product Weight	0.95 lb (0.43 kg)
IP Rating	IP66 (dust-tight & water-resistant)
Certifications	FCC, IC

Dimensions

Product Dimensions (W × D × H)	7.50 × 7.18 × 5.92 in (191.09 × 182.61 × 150.50 mm)
Cable Pass-Through Hole Size (W × D × H)	Ø0.276 in (Ø70 mm)
Screw Hole Size (W × D × H)	Ø0.181 in (Ø4.6 mm)



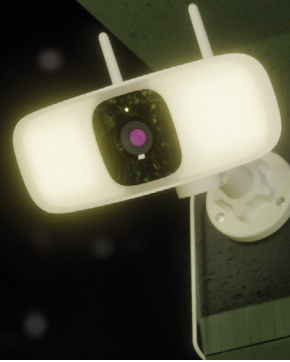
Package Information

FL301A-DBW-AA1	6-95529-06384-3
Package Type	Giftbox
Package Dimensions (W × D × H)	5.52 × 4.53 × 10.24 in (140.2 × 115.06 × 260.10 mm)
Package Weight	1.88 lbs (0.85 kg)
Package Cube	0.1481 ft ³ (0.00419 m ³)
Package Contents	• 2K Floodlight Wi-Fi Security Camera (with pre-installed mounting plate) • 9.84 ft (3 m) power adapter • Screwdriver for microSD compartment • Wall mounting template • Adhesive mounting pad • 3× drywall anchors • 3× mounting screws



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Disclaimers:

1. Requires an internet connection with an upload and download speed of 10 Mbps for optimal performance.
2. 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.
3. Not intended for submersion in water. Installation in a sheltered area recommended.
4. Accuracy of Smart Motion Detection including, Person Detection will be influenced by the camera's distance, height, and angle from the object. In addition to the size of the object, and the amount of ambient light available.
5. Video is captured and can be exported in full resolution based on the maximum resolution supported by the camera and the resolution settings the user has set.
6. For compatibility, features, and instructions visit www.lorex.com/smartconnect.
7. The activation of Color Night Vision is dependent on ambient lighting conditions. If there is not sufficient ambient light, the camera will automatically switch to IR (black and white) night vision. IR Night vision range is dependent on the cameras' installation location, viewing area and subject to surrounding objects and light sources, which will reflect and absorb the light.
8. Person Detection accuracy is compromised when the face and/or body is partially covered.
9. For cameras that allow for continuous recording on a MicroSD card, when storage is full the older previously recorded video footage will automatically be overwritten with the latest recordings.
10. There is a limited number of write/re-write cycles rated by the MicroSD card, before performance is reduced.
11. Recording time may vary based on recording resolution and quality, lighting conditions and movement in the scene.
12. Periodically, Lorex may release updates for devices and related software. Users must ensure that their systems are up-to-date at all times in order to prevent security issues and improve compatibility and features.

Controlling certain features in your camera product requires a compatible smart device.

Availability and performance of certain features and services are smart device dependent and may not be available in all areas or networks.

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

For Lorex Connect smart home compatibility, features, and instructions visit www.lorex.com/smartconnect.

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This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.