

UC-CAM-L1

Huddly® L1™ AI Collaboration Camera for Large Meeting Rooms



- Full HD 1080p video quality
- Wide-angle 103° diagonal field of view
- High precision, aspherical glass lens reduces spherical aberrations
- Advanced video processing engine provides excellent image quality
- 5x digital zoom, pan, and tilt
- Genius Framing digital autozoom
- People counting analytics
- Auto-Flip automatic 180° image rotation
- Silent operation with no moving parts
- Compatible with Crestron Flex systems
- POE powered
- Upgradable software
- Wall and shelf mountable

The UC-CAM-L1 is an intelligent, high-definition collaboration camera compatible with Crestron Flex large meeting room videoconferencing solutions. It features a wide-angle 103° diagonal field of view to capture an entire conference room with Full HD 1080p resolution. High precision aspherical optics, a 20.30 MP 1 in. CMOS sensor, portrait lighting, and advanced video processing ensure an immersive, crystal clear video image free from light or noise artifacts or optical aberrations. The camera has no moving parts, ensuring quiet operation, reliability, and accuracy while adjusting Pan, Tilt and Zoom functions.

Advanced Video Processing

The video processing engine uses real-time scaling and artificial intelligence (AI) to understand lighting conditions and adjust exposure accordingly. The engine also uses visual noise filtering to deliver excellent image quality. Genius Framing digital autozoom intelligently detects the people in the room and frames them perfectly for an optimal view with no loss of resolution. People counting analytics detects and reports the number of people in frame for analysis by room utilization software. The camera's software is also upgradeable, allowing for regular enhancements and feature updates.

Mounting Options

The camera's aluminum unibody construction is tripod compatible and includes a mounting bracket for surface or wall installation. The auto-flip feature automatically rotates the image 180° when the camera is installed upside down, providing even more options for installation.

The UC-CAM-L1 is a POE-powered camera that can be mounted at any convenient location up to 100 ft (~30 m) from the included USB to POE adapter.¹

Specifications

Included components

- (1) UC-CAM-L1 Camera
- (1) USB to POE Adapter
- (1) Wall and Shelf Mount
- (1) 3.3 ft (1 m) Power Adapter
- (1) 6.6 ft (2 m) Ethernet Cable
- (1) USB Type-C® Male to USB Type-C Male Cable
- (1) USB Type-C Male to USB 3.0 Type-A Male Cable

Optics & Processing

Image Sensor	20.30 Megapixels 1 in. CMOS Sensor
Lens	High precision, wide angle, aspherical glass lens
Field of View	103° diagonal, 92° horizontal, 65° vertical
Aperture	f/2.9
Pan/Tilt/Zoom	5x digital zoom, pan, and tilt
Autozoom	Genius Framing automatic lossless digital zoom intelligently frames around people in the room
Auto-Flip	Automatic 180° image rotation when mounted upside down
Dynamic Light Optimization	Auto-adjusts light levels and white balance
Aspect Ratio Output	16:9

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Noise Reduction	Noise reduction through bias compensating spatio-temporal filtering, wide area chroma filtering, flicker elimination
Scaling	Real-time scaling, dewarping, and perspective correction
People Counting	Detects and reports the number of people in the frame

Video

Output Resolution	HD 1080p @ 30 fps
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Connectivity

Connector	RJ45
Cable	Cat 5e/6/7
USB	USB 3.0 port (via included USB to PoE Adapter) ¹

Power

Power Requirement	5VDC
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Construction

Housing	Aluminum unibody
Mounting	Wall and shelf mount

Dimensions

Height	2.1 in. (53 mm)
Width	4.8 in. (122 mm)
Depth	3.5 in. (89 mm)

Weight

1.3 lb (0.6 kg)

Model

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Available Accessories

For a list of available accessories, visit the [UC-CAM-L1](#) product page.

Note:

1. The UC-CAM-L1 with network adapter requires driver installation on the connected laptop. A USB plug-and-play adapter, [UC-CAMA-ADPT-ENET-USB](#), can be purchased separately to avoid driver installation.

This product may be purchased from select authorized Crestron dealers and distributors. To find a dealer or distributor, please contact the Crestron sales representative for your area. A list of sales representatives is available online at www.crestron.com/How-To-Buy/Find-a-Representative or contact us for additional information by visiting <https://www.crestron.com/contact/our-locations> for your local contact.

This product is covered under the Crestron standard limited warranty. Refer to www.crestron.com/warranty for full details.

The specific patents that cover Crestron products are listed online at patents.crestron.com.

Certain Crestron products contain open source software. For specific information, please visit www.crestron.com/opensource.

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