UC-M70-U

Crestron Flex Tabletop Large Room Video Conference System

- *Tabletop audio and video conferencing solution for any UC platform*
- *Simple, intuitive touch screen UX provides a consistent user experience in every room*
- *Present, call, conference, and collaborate using your own UC conference software (BYOD)*
- *Complete kit contains the Crestron Flex tabletop conferencing device, AI collaboration camera, mic pod, cables, and power supply*
- *Easy to specify and install — no custom design, programming, or software installation required*
- *Premium-level support with Crestron Flex Care (optional)*
- *Network management and provisioning and system alerts through the XiO Cloud® service*
- *Enterprise-grade security - connects and communicates securely over any enterprise or SMB network*

The Crestron Flex UC-M70-U provides a complete conferencing and collaboration solution for open-platform UC applications. It supports a single video display and features the Crestron Flex tabletop conferencing device (CCS-UC-1-AV), AI collaboration camera (UC-CAM-L1), mic pod (CCS-UCA-MIC), cables, and power supply.

Intuitive User Interface with Impressive Audio

The Crestron Flex Tabletop Conference device (CCS-UC-1-AV) provides a superior conferencing and collaboration experience with its large 7 in. HD display, integrated 360° quad microphone array, and an AEC-enabled USB speakerphone that supports full-duplex wideband audio performance.

High-Definition Video Conferencing

The included AI collaboration camera (UC-CAM-L1)[1] features a wide-angle 103° diagonal field of view to capture an entire conference room in Full HD 1080p video resolution. High precision aspherical optics, 20.30 MP CMOS sensor, and advanced video processing ensure a clear video image free from light or noise artifacts. Genius Framing digital autozoom intelligently detects the people in the room and frames them for an optimal view.

Voice Calling & Audio Conferencing

The CCS-UC-1-AV is a full-featured VoIP conferencing speakerphone that's fully compatible with major SIP-compliant phone systems. Its advanced design provides highly intelligible, full-duplex communication for every participant around a conference table. Dialing and answering calls is easy and intuitive using the large HD color touch screen. Corporate directory access (LDAP) enables one-touch dialing from the customer's centrally managed directory.

The CCS-UC-1-AV can pair with a mobile phone using Bluetooth® connectivity to make or join phone calls, or to use as a speaker and/or microphone for an application running on a smartphone. When used for calls, controls for the Bluetooth enabled phone appear on the touch screen, enabling instant connectivity with the press of a button.

The CCS-UC-1-AV functions like any USB Audio class device, allowing you to connect a laptop computer via USB to improve audio performance for any softphone, multimedia, or audio conferencing application running on the laptop.

BYOD Multimedia Presentation

Connect a display device to the CCS-UC-1-AV's HDMI® output port to enable high-definition video presentation from all types of BYOD sources.

Connect an AV source to the HDMI input port to present full-motion HD video content on the room display. Sources with DisplayPort™ or USB Type-C® outputs can also be connected using an optional Crestron video cable system (CBL-MULTI-6 or CBL-MULTI-12, sold separately).

Use the built-in AirMedia® technology for wireless presentation of content from a laptop, smartphone, or tablet device via the room's Wi-Fi® wireless network.

Visit crestron.com/airmedia for more information.[2]

Video conferencing & Web Collaboration

Videoconferencing is enabled by connecting a laptop running a web conferencing or UC application such as Microsoft Teams®, Skype® for Business, Cisco WebEx®, GotoMeeting®, Slack®, BlueJeans, or Zoom Rooms® software. All participants are provided with enhanced bidirectional audio along with a high-definition view of the whole room.

Connect the laptop's HDMI output to allow the whole room to view far-end content and camera images on the main room display. Laptops with DisplayPort or USB Type-C outputs can also be connected using an optional Crestron video cable system (CBL-MULTI-6 or CBL-MULTI-12, sold separately).

Enterprise-Grade Security

Crestron Flex is an enterprise-grade solution that is ideally equipped for mass deployment throughout any sized corporate, university, medical, military, or government facility. Its advanced security features ensure privacy, reliability, and compliance with your organization's IT policies.

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Easy Provisioning and Device Management

The XiO Cloud service is an IoT cloud-based provisioning service (sold separately) that enables installers and IT managers to easily deploy and manage thousands of devices. The XiO Cloud service allows for system alerts, network management and provisioning.

Visit www.crestron.com/xiocloud for additional information.

Premium-Level Support

Crestron Flex Care is an optional subscription service that automatically renews annually, providing 24/7 live remote technical support, an extended five year warranty on Crestron® branded hardware, expedited advance replacements, and a discounted rate for on-site support.

Visit www.crestron.com/flexcare for detailed terms and conditions and additional information.

Specifications

Included Components

CCS-UC-1-AV	Crestron Flex tabletop conferencing device; • Cable, CAT5e, RJ-45-to-RJ-45, 12 ft (3.66 m); • Cable management hardware
UC-CAM-L1	AI collaboration camera
CCS-UCA-MIC	Extension microphone pod
CBL-HD-THIN-HS-6	HDMI Cable, Thin, Type A Male-to-Male, 6 ft (1.8 m)
CBL-HD-20	HDMI Interface Cable, 20 ft (6.1 m)
CBL-USB-A-BMICRO-6	USB Cable, USB Type A Male to Micro-B Male cable, 6 ft (1.8 m)
CBL-USB-A-EXT-15	USB Extension Cable, USB Type A Male-to-Female, 15 ft (4.6 m)
PW-2420RU	Universal power supply and power cord
STIRP	IR Emitter Probe w/3.5 mm Mini Phone Plug

Crestron Flex tabletop conferencing device

Touch Screen	7 in. (178 mm) diagonal capacitive multi-touch TFT active matrix color LCD, 1280 x 800 pixels
Mic Mute Symbol and Light Bar	(2) Capacitive buttons with bi-color LEDs, either button toggles between mute and unmute
AEC	Limes Audio TrueVoice® acoustic echo cancellation, automatic mic mixing, automatic gain control, and dynamic noise reduction, full-duplex IEEE 1329 Type 1 compliant
Speaker	Full range speaker; Amplifier Power: 11 W; 95 dB SPL at 0.5 m maximum output; Frequency Response: 90 Hz to 22 kHz
Microphones	360° quad mic array; Pickup Range (typical): 20 ft (6 m)
Extension Microphones	One extension microphone pod (CCS-UCA-MIC) included
Occupancy Sensor	6 ft (1.83 m) PIR range in front of touch screen;
Ethernet	Dual-port 100 Mbps, enterprise grade security and management including IEEE 802.1X, Active Directory® authentication, LDAP, Kerberos, SSL, TLS, SSH, SFTP (SSH File Transfer Protocol), SRTP, digest access authentication, password login, HTTPS secure provisioning, XiO Cloud service, primary port is IEEE 802.3at Type 2 PoE+ compliant
USB	USB 2.0 micro Type B device port, supports UAC for audio interface (cable included)
Power Options	PoE+: IEEE 802.3at Type 2, Class 4 (25.5 W) PoE+ Powered Device

> **NOTE:** If the additional mic pod (CCS-UCA-MIC) is used, PoE+ cannot be used to power the device.

24 VDC: 24 VDC via external 100-240 VAC, 50/60 Hz power pack, model PW-2420RU

Dimensions	Height: 4.11 in. (104 mm) Width: 8.92 in. (227 mm) Depth: 12.74 in. (324 mm)
Weight	5.5 lb (2.5 kg)

Microphone Pod

Model	CCS-UCA-MIC
Communications	A2B bus protocol, slave, synchronous data, multichannel I2S/TDM to I2S/TDM
Microphone	Triple mic array with (3) cardioid electret elements
Pickup Range	20 ft (6 m) typical, 360°

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Mic Mute	(1) Capacitive button with bi-color LED, toggles between mute and unmute (affects all system mics)
Connectors	(2) RJ9 4P4C connector, female
Power	Powered via the CCS-UC-1-AV through the A2B bus
Dimensions	Height: 0.97 in (25 mm) Width: 3.81 in (97 mm) Depth: 3.42 in (87 mm)

Camera

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
Autozoom	Genius Framing automatic lossless digital zoom intelligently frames around people in the room
Connectivity	USB 3.0 port (via USB to PoE Adapter)[1]
Power	5VDC power adapter
Resolution/FPS	HD 1080p @ 30 fps
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-M70-U product page.

Notes:

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.
2. AirMedia wireless presentation requires a wired network connection between the Crestron Mercury console and an external Wi-Fi wireless access point (not included). Laptops may alternately connect to AirMedia using a wired Ethernet connection. Full-motion video performance is dependent upon the performance of the network and the sending device. Computer client software and mobile device apps are available for download at https://www.crestron.com/airmedia.

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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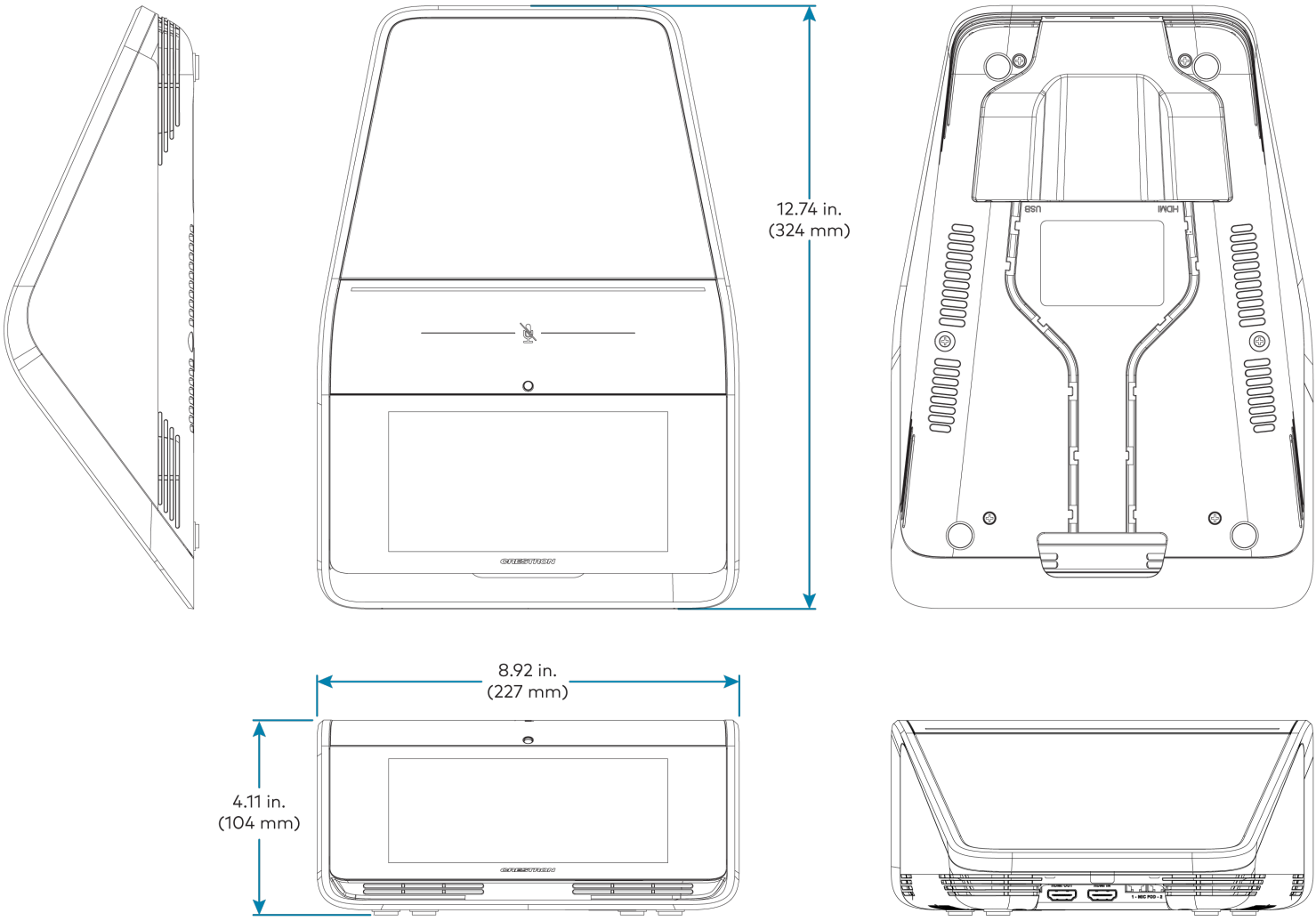

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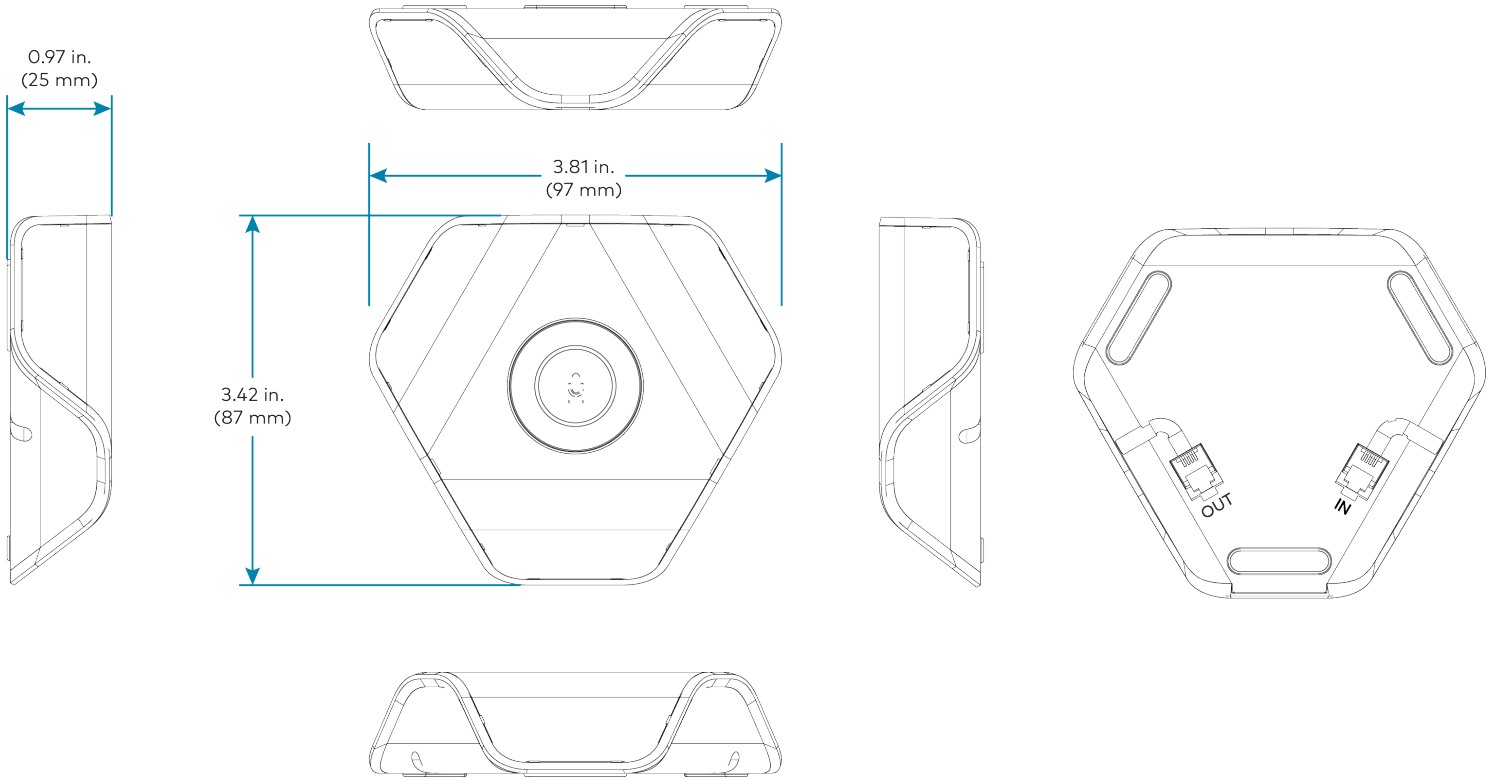
CCS-UCA-MIC



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