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, AVer® CAM520 PRO enterprise-grade camera, mic pod, cables, and power supply*
- *Easy to specify and install — no custom design, programming, or software installation required*
- *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[1], and features the Crestron Flex tabletop conferencing device (CCS-UC-1-AV), AVer® CAM520 PRO enterprise-grade camera (UC-CAM-HD-520), 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 AVer CAM520 PRO enterprise-grade camera (UC-CAM-HD-520) features a wide-angle 82° diagonal field of view to capture an entire conference room in Full HD 1080p video resolution. High precision aspherical optics, super low light 2M pixel sensor, and advanced video processing ensure a clear video image free from light or noise artifacts.

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™. 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[3] is an IoT cloud-based provisioning service 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.

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-HD-520	AVer® CAM520 PRO enterprise-grade 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°
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

Model	AVer® CAM520 PRO

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Image Sensor	Super low light 2M pixel sensor maintains a clear and natural image in low light conditions
Lens Focal Length	3.9 mm (wide) ~ 47.3 mm (tele)
Wide Field of View	82°
Lens F#	1.8 (wide) ~ 2.8 (tele)
Pan/Tilt/Zoom	Pan: ±170°; Tilt: +90° (up), -30° (down); 18X total zoom (12X optical zoom)
Connectivity	USB Type-C® connector
Power	12 VDC power adapter
Resolution/FPS	HD 1080p @ 30 fps
Dimensions	Height: 7.17 in. (182 mm) Width: 6.02 in. (153 mm) Depth: 5.63 in. (143 mm)

Model

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Available Accessories

CCS-UCA-SMK
Swivel Mount Kit

CCS-UCA-MIC KIT
Microphone Pods, set of 2

CBL-MULTI-6
Crestron Mercury® HD Video Cable System with 6 ft cables

CBL-MULTI-12
Crestron Mercury® HD Video Cable System with 12 ft cables

SW-FUSION-C-3
Crestron Fusion® Cloud; 250 rooms; 3-year service, support, and updates

SW-FUSION-P-L
Crestron Fusion® On-premises; Unlimited rooms; lifetime service, support, and updates

SW-XIOC-EM
XiO Cloud® Provisioning and Management Service, Endpoint Management License

SW-XIOC-S
XiO Cloud® Provisioning and Management Service, Support License

SW-XIOC-API
XiO Cloud® Provisioning and Management Service, REST API License

Notes:

1. Display must support "Wake on Sync" and "Sleep on No Sync" functionality. Consult the display manufacturer's specifications or internal settings of the specific display.
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.
3. The XiO Cloud service is a room based subscription service available separately.

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 by calling 855-263-8754.

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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Rev 09/10/20

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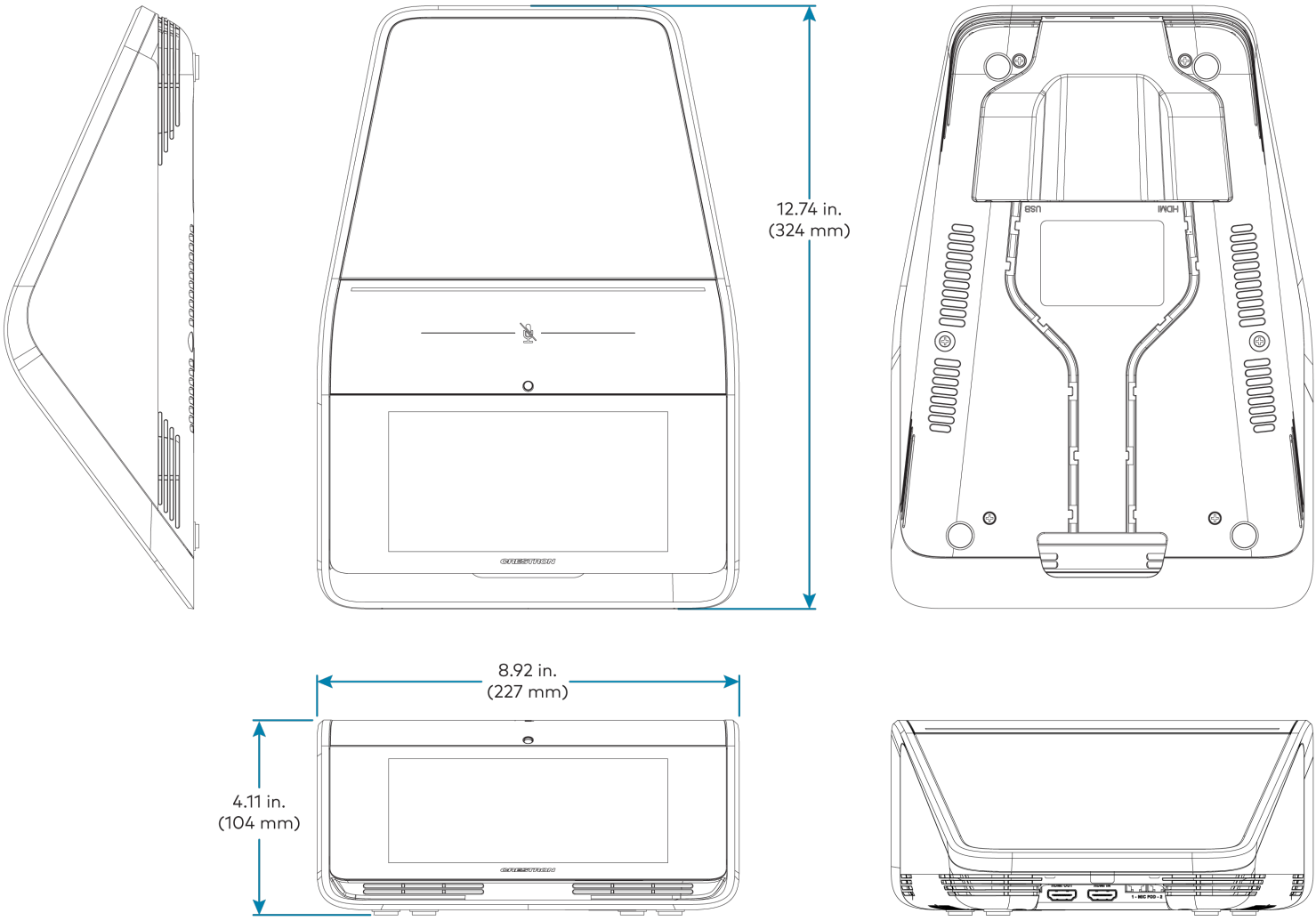

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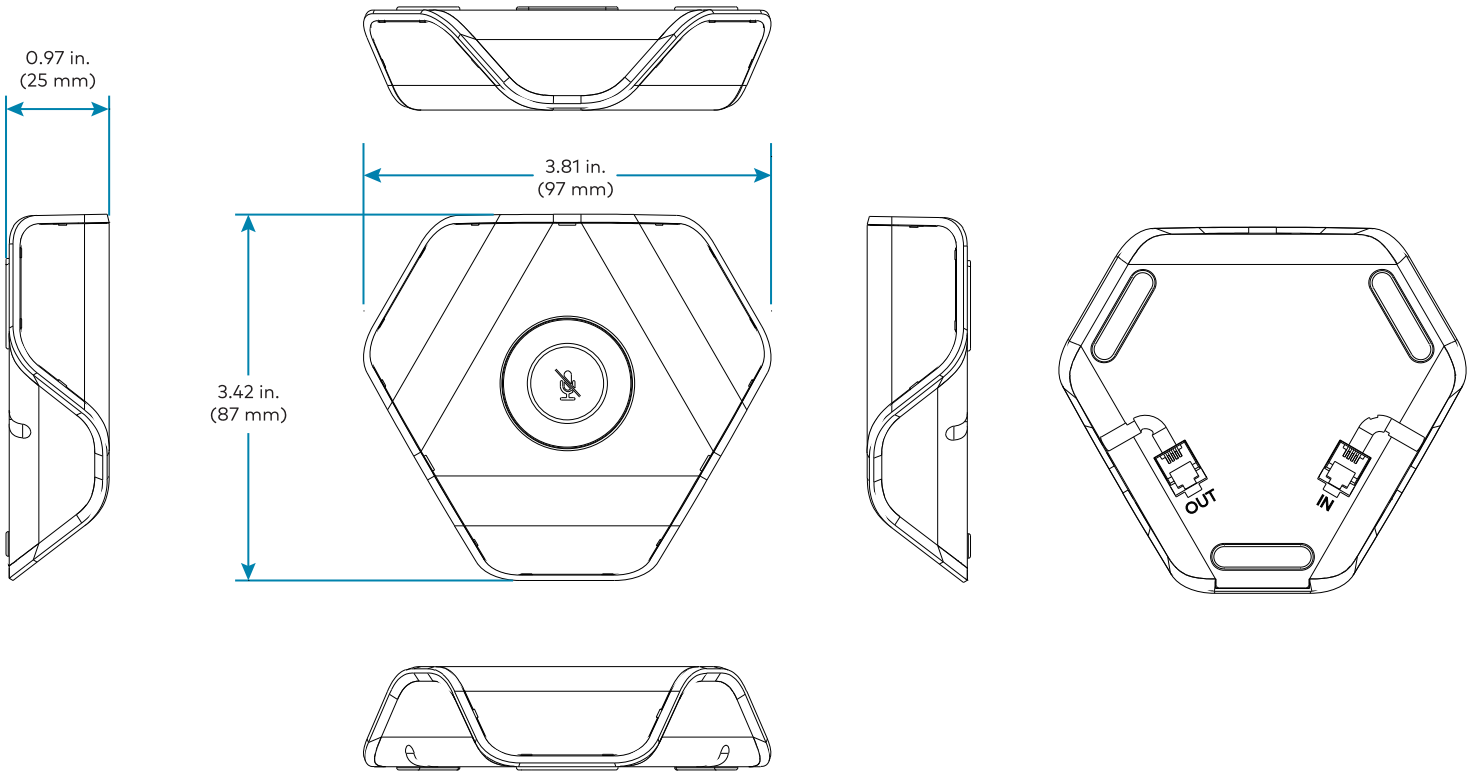
CCS-UCA-MIC



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