

Crestron Flex Tabletop UC Video Conference System for Zoom Rooms™ Software



Crestron Mercury® UC Conference Console

The Crestron Mercury UC Conference Console (CCS-UC-1) is an advanced speakerphone that facilitates conversations with exceptional audio fidelity and pickup using the console's integrated 360° quad microphone array. Its high-powered, full-range speaker produces high quality audio for both voice and program material. Limes Audio TrueVoice® AEC technology achieves transparent full-duplex performance free of distracting echo or noise, and wideband audio codec support allows for full-spectrum, bidirectional voice communication.

Its extra-large, high-definition touch screen makes the Crestron Mercury system easy to use, whether starting or joining an online meeting or presenting and sharing content. Occupancy detection using a patent-pending combination of motion and voice activity provides several benefits, such as monitoring and reporting room usage to the Crestron Fusion® monitoring and scheduling software, or automating the system to power down to save energy when all parties leave the room.

Additionally, the Crestron Mercury speakerphone can integrate with a Crestron control system to enable touch screen control of room lighting, motorized window shades, climate control, AV, and other amenities.¹

For more information, refer to the [CCS-UC-1](#) product page.

UC Engine Assembly

All the capabilities of a complete Zoom Rooms video conferencing and content sharing solution are empowered by the UC Engine. For ultimate performance, Crestron employs a powerful Intel® NUC Mini PC running Zoom Rooms software. The UC Engine Assembly (UC-BRKT-100-SD-Z-ASSY) streamlines the installation of a Crestron UC system by assembling the UC-ENGINE-SD-Z, HD-CONV-USB-200, and UC-CONN-HD together on one convenient and ready-to-mount bracket.

The complete assembly can be mounted on the wall, or it can be attached to the rear of the display device. Attachment to the display is accomplished using two of the four bolts that also affix the display to a VESA® compliant display mount. The assembly bracket includes mounting holes on its left and right side edges, spaced at 100, 200, and 300 mm (3.94, 7.87, and 11.81 in.) vertically, to allow for attachment to either side of the display mounting plate on the rear of the display device.

Logitech® C930e Camera

A perfect view of the room is achieved through the included conferencing camera, which features HD 1080p video resolution with a wide 90° field of view and 4X HD digital zoom. The premium glass lens and autofocus ensure remarkably clear video at all times, even when bandwidth is limited. The camera intelligently adjusts using RightLight® 2 technology to improve visual quality in low light at multiple distances. The attached clip and tripod embedded thread give the freedom to mount the camera wherever it works best – LCD screen, notebook, or tabletop.

- *Front-of-room video conferencing solution for Zoom Rooms™ software*
- *Present, call, conference, and collaborate with the Crestron Mercury® UC Conference Console*
- *Easy to specify and install – no custom design, programming, or software installation required*
- *Network management and provisioning and system alerts through the Crestron XiO Cloud service*
- *Connects and communicates securely over any enterprise or SMB network*
- *Enterprise-grade security*
- *Kit contains the Crestron Mercury tabletop console, Logitech™ high-definition USB camera, UC Engine, and power supplies – just add a display and mount*

The Crestron Flex UC-M130-Z system provides a video conference room solution for use with the Zoom Rooms intelligent communications platform. It supports a single video display, and features the Crestron Mercury® Tabletop UC Audio Conference Console, UC Engine Assembly with UC-ENGINE-SD-Z, and Logitech® webcam C930e.

Native Zoom Rooms™ Software Experience

The UC-M130-Z system features Zoom Rooms conferencing software that enables audio and video connectivity for easy collaboration and content sharing.

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Network Management and Security

Crestron Flex is an enterprise grade solution, engineered to integrate seamlessly into any Zoom Rooms software deployment. Crestron Flex is ideally equipped for mass deployment throughout any sized corporate, university, medical, military, or government facility.

IoT cloud based provisioning enables complete network configuration in advance of hardware delivery, with touchless updates following installation via Windows® Update. Crestron Fusion® or Crestron XiO Cloud management enables monitoring and logging of room and equipment usage, as well as centralized help desk support. Advanced security features ensure privacy, reliability, and compliance with your organization's IT policies.

Crestron XiO Cloud™ Provisioning and Management Service

The UC-M130-Z is compatible with the Crestron XiO Cloud™ service, which is an IoT (Internet of Things) based platform for remotely provisioning, monitoring, and managing Crestron devices across an enterprise or an entire client base. The service enables installers and IT managers to deploy and manage thousands of devices in the amount of time it previously took to manage just one. As part of the UC-M130-Z system, the Crestron XiO Cloud service allows for network management and provisioning and system alerts. System updates are controlled by Windows Update. For more information, visit www.crestron.com/xiocloud.

Specifications

Included Components

[CCS-UC-1](#)

Crestron Mercury Tabletop UC Audio Conference Console; Cable, CAT5e, RJ-45 Male - RJ-45 Male, 12 ft (3.66 m); Cable, USB 2.0, A - Micro B, 6 ft (1.83 m); Retention Plate, Cable Tie Wrap

[UC-BRKT-100-SD-Z-ASSY](#)

UC Engine Assembly, comprised of:
UC-ENGINE-SD-Z: UC Engine for Zoom Rooms video;
HD-CONV-USB-200: HDMI to USB 3.0 converter for content ingest;
UC-CONN-HD: EDID emulator for UC Engine display output;
CBL-MDP-HD-0.5: Mini DisplayPort™ to HDMI converter;
Mounting Bracket

[CCS-CAM-USB-F-100](#)

Logitech® Webcam C930e

[PW-2420RU](#)

Universal power pack for audio conference console

[CBL-USBC-HD-9](#)

USB-C® to HDMI converter cable, USB Type-C male to HDMI Type A male, 9 ft (2.7 m)

[CBL-USB-A-EXT-15](#)

USB extension cable for audio conference console, Type A male-to-female, 15 ft (4.57 m)

Audio Conference Console

Touch Screen

7 in. (178 mm) diagonal capacitive multi-touch TFT active matrix color LCD, 1280 x 800 pixels

UI

Zoom Rooms UI plus optional Crestron Smart Graphics® room control UI¹

Mic Mute Symbol & Light Bar

(2) Capacitive buttons with bi-color LEDs, either button toggles between mute and unmute, the symbol LED flashes green when the unit is powering up, all LEDs illuminate red when the mic is muted, all LEDs illuminate green when the mic is unmuted during an active call or online meeting

AEC

Limes Audio TrueVoice acoustic echo cancellation, automatic mic

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	mixing, automatic gain control, and dynamic noise reduction; full-duplex IEEE 1329 Type 1 compliant
Speaker	Full range speaker, 11 W amplifier power, 95 dB SPL at 0.5 m maximum output, 90 Hz to 22 kHz frequency response
Microphones	360° quad mic array, 20 ft (6 m) typical pickup range
Extension Microphones	Supports two mic pods, model CCS-UCA-MIC KIT (sold separately)
Occupancy Sensor	Patent-pending Persistent Occupancy Awareness combining passive infrared motion and voice activity detection, 6 ft (1.83 m) PIR range in front of touch screen, activates touch screen and reports room occupancy to Crestron Fusion monitoring and scheduling software
Ethernet	10/100 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, Crestron XiO Cloud client, IEEE 802.3at Type 2 compliant
USB	USB 2.0 micro Type B device port, supports UAC for audio interface to UC Engine (included)
Power Options	PoE+: IEEE 802.3at Type 2, Class 4 (25.5 W) PoE+ Powered Device ² ; 24 VDC: 24 VDC via external 100-240 VAC, 50/60 Hz power pack, model PW-2420RU (included)
Dimensions	Height: 4.11 in. (105 mm) Width: 8.92 in. (227 mm) Depth: 12.74 in. (324 mm)
Weight	5.5 lb (2.5 kg)
	Refer to the CCS-UC-1 specifications for additional information.

Camera

Model	Logitech® Webcam C930e
Field of View	90° diagonal
Connectivity	Plug-and-play USB 2.0
Resolution/FPS	Full HD 1080p/30, HD 720p/30
HD Digital Zoom	4x, 1080p
Auto-Light Correction	RightLight® 2
Dimensions	Height: 1.14 in. (29 mm), 1.7 in. (43.3 mm) with clip Width: 3.70 in. (94 mm) Depth: 0.95 in. (24 mm), 2.8 in. (71 mm) with clip
Weight	5.7 oz (162 g), 5.7 oz (162 g) with clip and cable

Refer to the CCS-CAM-USB-F-100 specifications for additional information.

UC Engine Assembly

Mini PC	Intel NUC Kit NUC8i5BEK
Processor	Intel Core® i5-8259U processor (2.3 GHz with 3.8GHz Turbo, Quad Core, Hyper-thread, 6 MB Cache, 28W TDP)
UC Client	Zoom Rooms Software
Management Client	Crestron XiO Cloud Service
USB	USB 3.0 host supporting USB HID, UAC, and UVC for audio conference soundbar bar, camera, content ingest, and keyboard/mouse devices
Content Ingest	HDMI input via HDMI to USB 3.0 converter (model HD-CONV-USB-200, included)
Display Output	Single display support (USB-C® primary, HDMI output)
Camera Input Resolution	HD 1080p @ 30 fps
Content Input Resolution	HD 1080p @ 60 fps
Display Output Resolution	HD 1080p @ 60 fps
Power	19 VDC via external 100-240 VAC, 50/60 Hz adapter (included)
Construction	Metal mounting bracket, black, preassembled with UC Engine and USB to HDMI converter

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Mounting

Surface wall mount behind the display device, or attach to the rear of the display device via the bolts attaching the display to a VESA® compliant display mount; the Crestron bracket includes mounting holes on both side edges, spaced 100, 200, and 300 mm vertically, to allow for attachment to either side of the display mounting plate

Dimensions

Height: 16.00 in. (407 mm)
Width: 14.00 in. (356 mm)
Depth: 1.68 in. (43 mm)

Refer to the UC-ENGINE-SD-Z, HD-CONV-USB-200, and UC-BRKT-100-SD-Z-ASSY spec sheets for additional specifications and compliances.

Model

UC-M130-Z

Available Accessories

UC-M-ACCY KIT

Accessory kit for UC-M130-Z containing [CBL-HD-20](#), [CBL-USBC-HD-9](#), and [CCS-UCA-KB-USB](#)

CCS-UCA-SMK

Swivel Mount Kit

CCS-UCA-MIC KIT

Microphone Pods, set of 2

CEN-SWPOE-16

16-Port Managed PoE Switch

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-S-1

Crestron XiO Cloud Standard Provisioning and Management Service for one device, 1 year subscription

SW-XIOC-P-1

Crestron XiO Cloud Premium Provisioning and Management Service for one device, 1 year subscription

Notes:

1. Room control capability (lighting, shades, thermostats, etc.) requires additional equipment and commissioning to be provided by a Crestron authorized integrator and/or programmer. Additional costs may apply.
2. When used without any microphone pods connected, the Crestron Mercury console may be powered using either PoE+ or the included power pack (model [PW-2420RU](#)). If one or two mic pods are connected, the console MUST be powered using the power pack. PoE+ cannot be used to power the console if any mic pods are connected. When using PoE+, make sure the network switch supports PoE+ (802.3at Type 2). Regular PoE (802.3af or 802.3at Type 1) cannot be used to power the console. Be advised, the UC Engine component can only be powered using its included AC power adapter. The UC Engine cannot be powered via PoE or PoE+.

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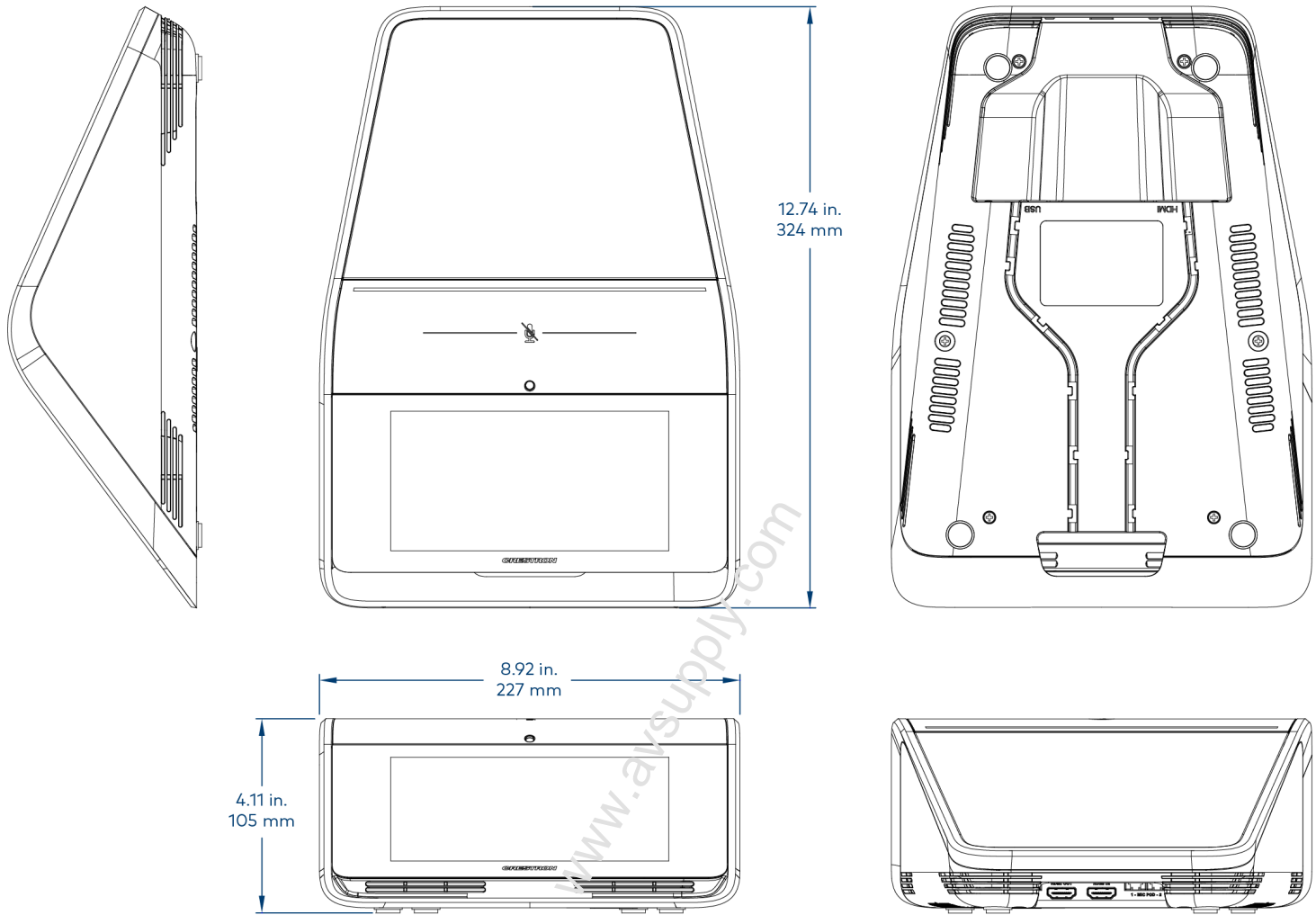
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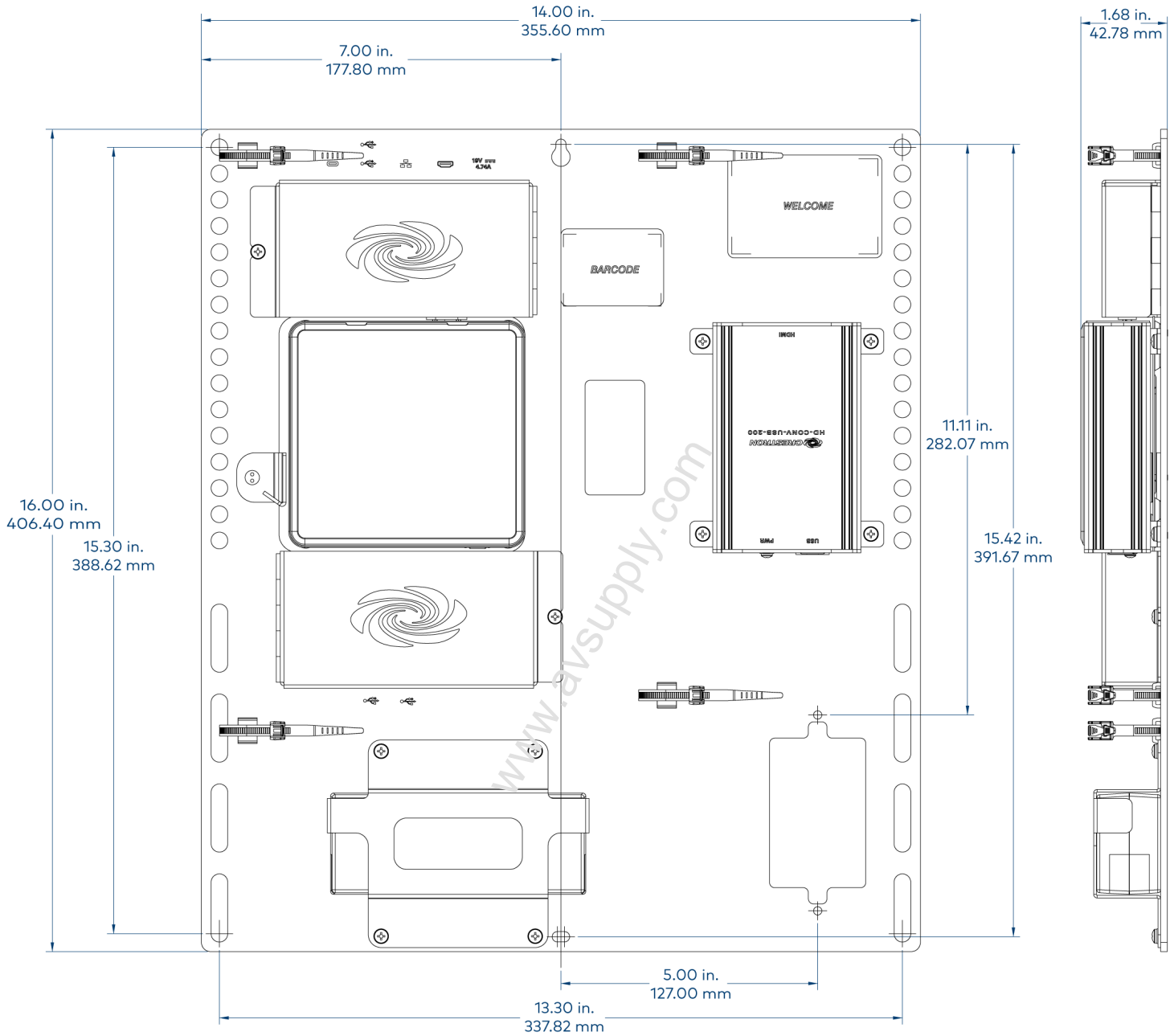
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CCS-UC-1

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UC-BRKT-100-SD-Z-ASSY