UC-M70-Z

Crestron Flex Tabletop Large Room Video Conference System for Zoom Rooms™ Software

- *Tabletop video conferencing solution for Zoom Rooms™ environment*
- *Native Zoom Rooms touch screen UI provides a consistent user experience with simple operation and one-touch meeting joins*
- *Complete kit contains the Crestron Flex tabletop conferencing device, AVer® CAM520 PRO enterprise-grade camera, UC Bracket Assembly, mic pod, cables, and power supply — just add a display and mount*
- *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-Z system provides a video conference room solution for use with the Zoom Rooms software. It supports a single video display[1], and features the Crestron Flex tabletop conferencing device (CCS-UC-1), UC Bracket Assembly (UC-BRKT-200-S-Z-ASSY), AVer® CAM520 PRO enterprise-grade camera (UC-CAM-HD-520), mic pod (CCS-UCA-MIC), cables, and power supply.

Native Zoom Rooms™ Software Experience

The UC-M70-Z system features Zoom Rooms conferencing software that enables audio and video connectivity for easy collaboration and content sharing.

Intuitive User Interface with Impressive Audio

The Crestron Flex Tabletop Conference device (CCS-UC-1) 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.

Simplified Deployment

The UC Bracket Assembly UC-BRKT-200-S-Z-ASSY) provides preassembled components on one ready-to-mount bracket to simplify installation. The assembly can be mounted on a wall, or it can be attached to the rear of the display device.

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.

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.

Easy Provisioning and Device Management

The XiO Cloud service[2] 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, and the pairing of a control device to the system's UC Engine. System updates are controlled by Windows® software update.

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

Deployment Resources

View the Crestron Flex Pre-Deployment Checklist to help plan your Crestron Flex installation.

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Specifications

Included Components

CCS-UC-1	Crestron Flex tabletop conferencing device: • Cable, CAT5e, RJ-45-to-RJ-45, 12 ft (3.66 m); • Cable management hardware
UC-BRKT-200-S-Z-ASSY	UC Bracket Assembly for Zoom Rooms systems, comprised of: • UC-ENGINE-S-Z: UC Engine for Zoom Rooms video • HD-CONV-USB-200: HDMI® to USB 3.0 converter for content ingest • Mounting hardware
UC-CAM-HD-520	AVer® CAM520 PRO enterprise-grade camera
CCS-UCA-MIC	Extension microphone pod
CBL-CAT5E-7	Ethernet LAN cable for UC Engine, RJ-45-to-RJ-45, black, 7 ft (2.1 m)
CBL-HD-6	HDMI Interface Cable, 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
EDID passthrough	HDMI Female-to-Male

Crestron Flex tabletop conferencing device

Touch Screen	7 in. (178 mm) diagonal capacitive multi-touch TFT active matrix color LCD, 1280 x 800 pixels
UI	Zoom Rooms UI
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, Microsoft Intune® client, primary port is IEEE 802.3at Type 2 PoE+ compliant
USB	USB 2.0 micro Type B device port, supports UAC for audio interface to UC Engine (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 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
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)

UC Bracket Assembly

Mini PC	Intel Core® processor with Windows® 10 IOT Edition OS, 4K UHD Graphics, and 100/1000 Mbps Ethernet connectivity
UC Client	Zoom Rooms Software
Management Client	XiO Cloud Service
Content Ingest	HDMI input via HDMI to USB 3.0 converter (model HD-CONV-USB-200)
Display Output	Single display support
Display Output Resolution	1080p
Power	65W via external 100-240 VAC, 50/60 Hz adapter (included)
Construction	Metal mounting bracket, black, preassembled with UC-ENGINE-S-Z and HD-CONV-USB-200
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; 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: 15.00 in. (381 mm) Width: 14.50 in. (368 mm) Depth: 1.72 in. (44 mm)
Weight	6.64 lb (3.0 kg)

Model

UC-M70-Z

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

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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. 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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Specifications are subject to change without notice.

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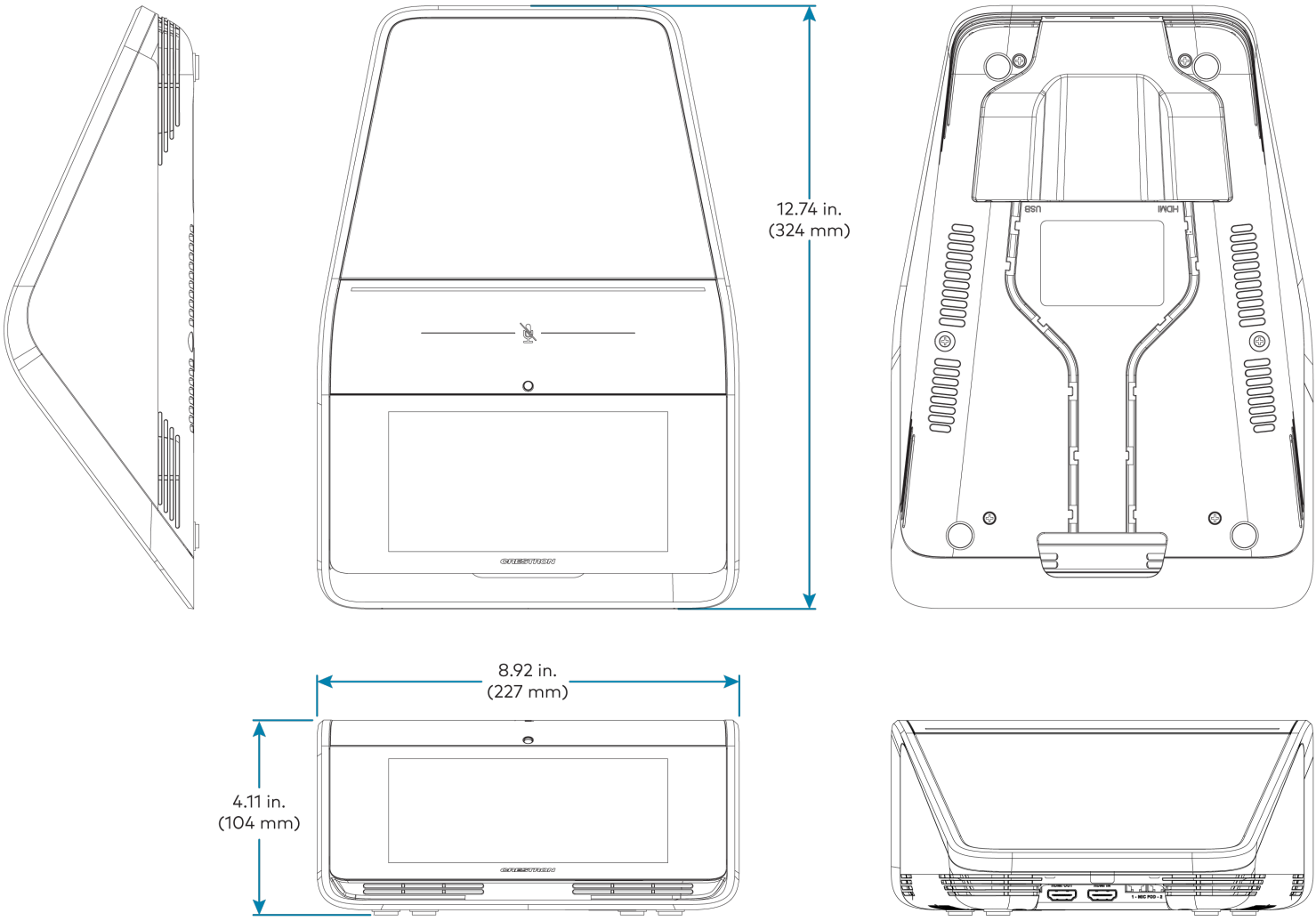
CCS-UC-1



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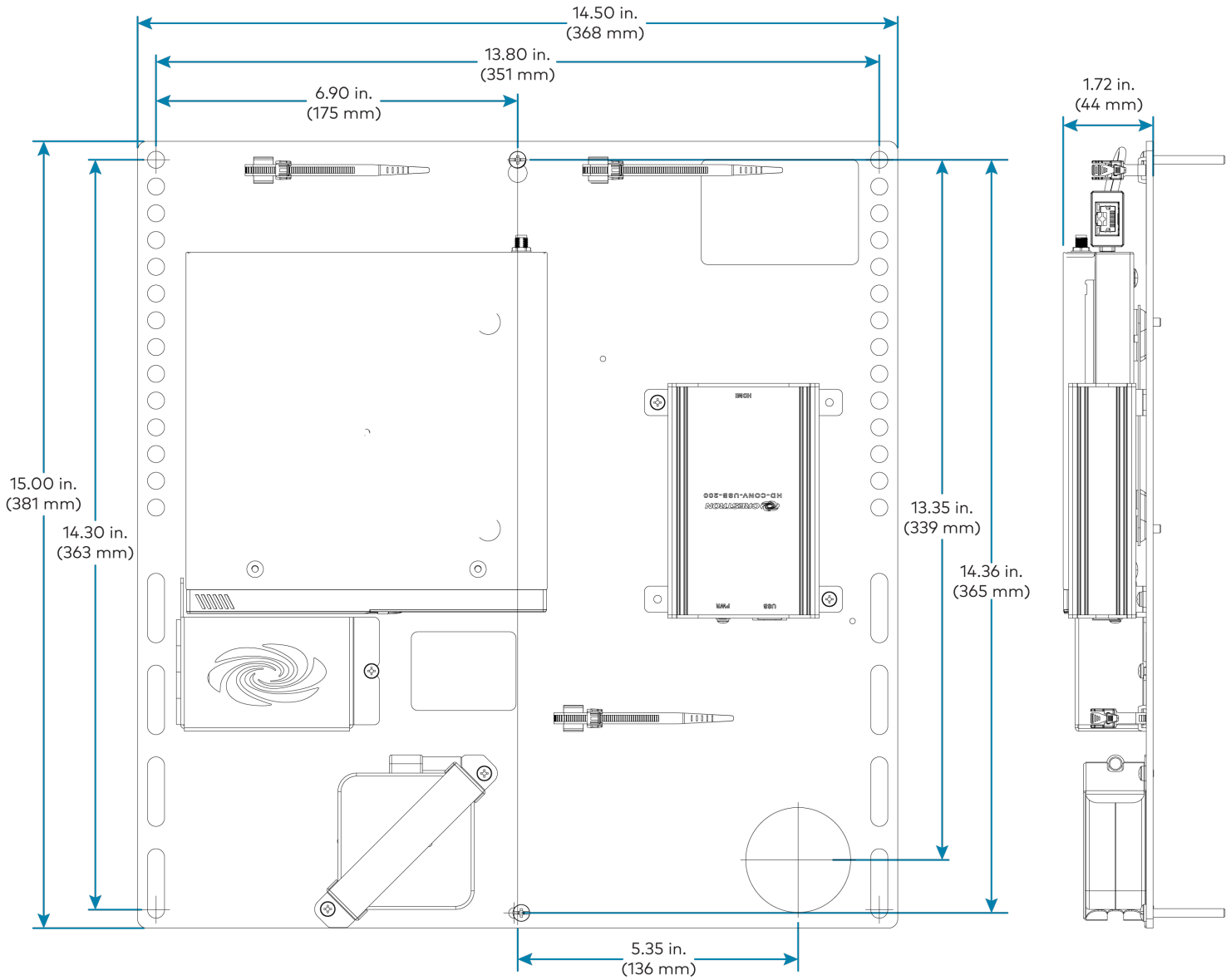
UC-BRKT-200-S-Z-ASSY



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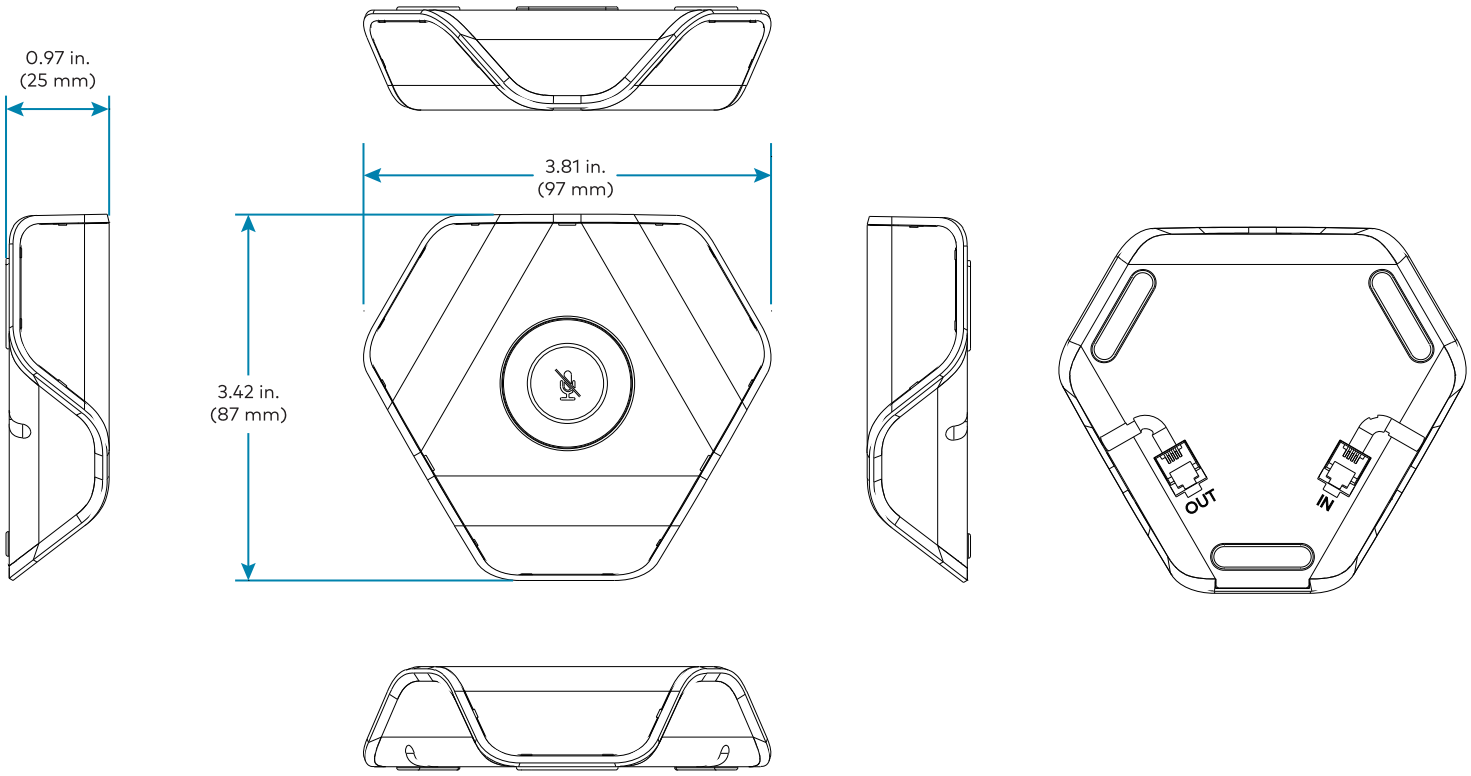
CCS-UCA-MIC



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