UC-M50-T

Crestron Flex Tabletop Medium Room Video Conference System for Microsoft Teams® Rooms

Certified for Microsoft Teams

Certified for Skype for Business

- *Tabletop video conferencing solution for Microsoft Teams® Rooms environment*
- *Native Microsoft Teams 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, a collaboration camera, UC Bracket Assembly, cables, and power supply — just add a display and mount*
- *Easy to specify and install — no custom design, programming, or software installation required*
- *Optional integration with Crestron® control systems*
- *Direct connection option between UC Engine and Crestron Flex tabletop conference device for simple installation and configuration*
- *Network management and provisioning, system alerts, and the pairing of the Crestron Flex tabletop conference device to the system's UC Engine through the XiO Cloud® service*
- *Premium-level support with Crestron Flex Care (optional)*
- *Enterprise-grade security - connects and communicates securely over any enterprise or SMB network*

The Crestron Flex UC-M50-T system provides a video conference room solution for use with the Microsoft Teams Rooms intelligent communications platform. It supports a single video display[1], and features the Crestron Flex tabletop conferencing device (CCS-UC-1-T-V), UC Bracket Assembly (UC-BRKT-200-S-T-ASSY, collaboration camera (CCS-CAM-USB-F-400), cables, and power supply.

Native Microsoft Teams® Rooms Experience

The UC-M50-T system brings the full Microsoft Teams Rooms UC experience to any meeting space in an enterprise or SMB facility, whether implementing a cloud based Microsoft Teams Rooms deployment, on-premises Skype® for Business software, or a hybrid of the two.

Intuitive User Interface with Impressive Audio

The Crestron Flex Tabletop Conference device (CCS-UC-1-T-V) 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-T-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. Crestron's direct connection method further simplifies installation with a single connection from the Flex tabletop conference device to the UC Bracket Assembly.[2]

High-Definition Video Conferencing

The included collaboration camera (CCS-CAM-USB-F-400) features an ultra wide-angle 150° diagonal field of view to capture an entire conference room in Full HD 1080p video resolution. High precision aspherical optics, 12 MP CMOS sensor, and advanced video processing ensure a clear video image free from light or noise artifacts. Genius Framing digital autozoom detects the people in the room and frames them for an optimal view.

Crestron Control System Integration

Crestron Flex tabletop conferencing device can integrate with a Crestron control system to enable touch screen control of room lighting, motorized window shades, climate control, AV, and other amenities.

Enterprise-Grade Security

Crestron Flex is an enterprise-grade solution, engineered in partnership with Microsoft® to integrate seamlessly into any Microsoft Teams Rooms or Skype for Business software deployment. Crestron Flex 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[3] is an IoT cloud-based provisioning service that enables installers and IT managers to easily deploy

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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.

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® hardware, expedited advance replacements, and a discounted rate for on-site support.

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

Dual Control Option

A TS- or TSW- series 7 in. or 10.1 in. touch screen may be added to the solution as an additional control point for the Microsoft Teams Rooms environment.[2, 4]

Deployment Resources

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

Specifications

Included Components

CCS-UC-1-T-V	Crestron Flex tabletop conferencing device: • Cable, CAT5e, RJ-45-to-RJ-45, 12 ft (3.66 m); • Cable management hardware
UC-BRKT-200-S-T-ASSY	UC Bracket Assembly for Microsoft Teams Rooms systems, comprised of: • UC-ENGINE-S-T: UC Engine for Microsoft Teams video • ADPT-USB-ENET: USB-to-Ethernet Adapter • HD-CONV-USB-200: HDMI® to USB 3.0 converter for content ingest • Mounting hardware
CCS-CAM-USB-F-400	Collaboration Camera
CBL-USBC-USBA-6	USB Type-C® right-angle to USB A cable 6 ft (1.8 m)
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)
DM-CBL-ULTRA-PC-20	Ethernet LAN cable for touch screen, CAT6a, RJ-45-to-RJ-45, blue, 20 ft (6 m)
PW-2420RU	Universal power supply and power cord
UC-CAM-WMK	Wall Mount Kit for Crestron Cameras
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	Microsoft Teams Rooms UI plus optional Crestron room control UI[4]
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	Supports two mic pods, model CCS-UCA-MIC KIT (sold separately)
Occupancy Sensor	6 ft (1.83 m) PIR range in front of touch screen;

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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)

Camera

Image Sensor	12 Megapixel 1/2.3 CMOS sensor
Lens	High precision, ultra wide angle, six element aspherical glass lens
Field of View	150° diagonal, 120° horizontal, 90° vertical
Aperture	f/2.8
Autozoom	Genius Framing automatic lossless digital zoom intelligently frames around people in the room
Connectivity	Plug-and-play USB 3.1
Resolution/FPS	HD 1080p @ 30 fps
Dimensions	Height: 1.40 in. (36 mm) Width: 1.60 in. (41 mm) Depth: 2.82 in. (72 mm)
Weight	4.2 oz (120 g)

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	Microsoft Teams Rooms or Skype for Business 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-T 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-M50-T

Available Accessories

For a list of available accessories, visit the UC-M50-T product page.

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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. Only one control device may be connected via direct connection method.
3. The XiO Cloud service is a room based subscription service available separately.
4. 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.

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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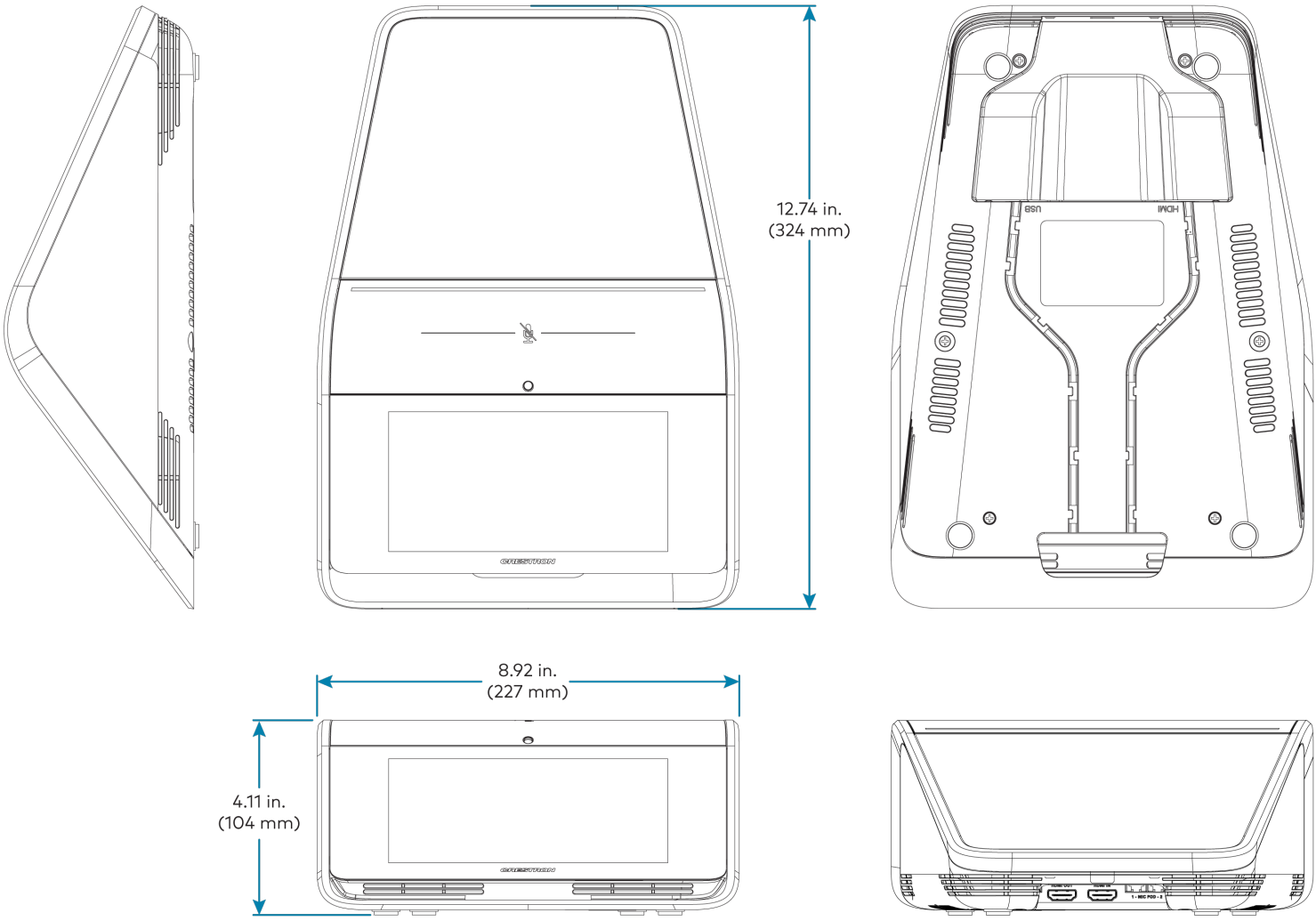
CCS-UC-1-T-V



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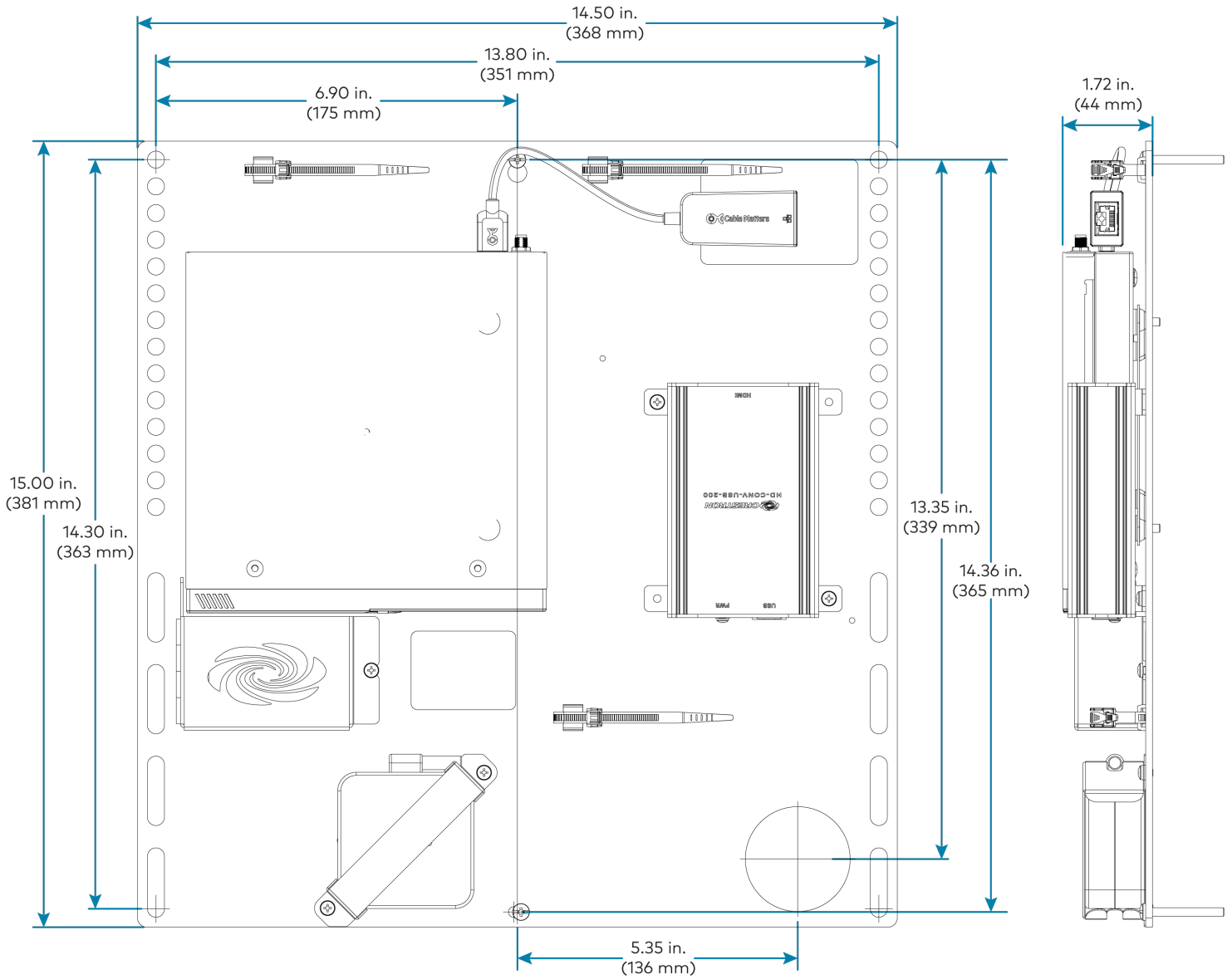
UC-BRKT-200-S-T-ASSY



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