

UC-B30-T-WM

Crestron Flex Small Room Conference System with Video Soundbar, Wall Mounted Control Interface, and ASUS® Mini PC for Microsoft Teams® Rooms



- *Front-of-room video conferencing solution for a Microsoft Teams® Rooms environment*
- *Native Microsoft Teams® Rooms touch screen UI provides a consistent, simple user experience with one-touch meeting joins*
- *Complete kit contains a 10.1 in. wall mount touch screen, smart soundbar and camera, UC bracket assembly, and PoE injector—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 wall mount touch screen for simple installation and configuration*
- *Network management and provisioning, system alerts, and wall mount touch screen pairing 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*
- *Supports single or dual video displays (not included)*

The UC-B30-T-WM Crestron Flex wall mount conferencing system provides a small room video conference solution for use with Microsoft Teams® Rooms software. It supports single or dual video displays¹ (not included) and features a wall mount touch screen, smart soundbar and camera, UC bracket assembly, PoE injector, and cables.

Native Microsoft Teams® Rooms Experience

The UC-B30-T-WM 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 a large 10.1 in. (257 mm) capacitive touch screen display, the Crestron® wall mount touch screen ([TSW-1070](#)) provides superior conferencing control in meeting rooms, huddle spaces, and executive offices. The touch screen also offers optional control of room lighting, shades, thermostats, and other equipment.²

Simplified Deployment

The UC Bracket Assembly 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 wall mount touch screen to the UC Bracket Assembly.³

Wall Mount Options

Using the bracket provided, the touch screen is easily installed over a 2-gang or 3-gang US electrical box, or a 2-gang European or UK electrical box. A security latch option is included to deter unauthorized removal of the touch screen.

High-Definition Video Conferencing with Impressive Audio

High-quality speakers, microphone, and digital signal processing deliver exceptional full-duplex speakerphone performance from the Crestron UC video conference soundbar and camera (UC-SB1-CAM-FLEX). The built-in conferencing camera captures the room in HD 1080p video resolution and with an ultra-wide 150° diagonal field of view.

Crestron Control System Integration

The UC-B30-T-WM integrates with a Crestron control system to enable touch screen control of room lighting, motorized window shades, climate control, AV, and other amenities.²

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.

Easy Provisioning and Device Management

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

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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- 70 series 10.1 in. touch screen may be added to the solution as an additional control point for the Microsoft Teams Rooms environment.^{2,3}

Deployment Resources

View the [Crestron Flex Pre-Deployment Checklist](#) to help plan your Crestron Flex installation.

Specifications

Included Components

| | |
|--------------------------------------|--|
| TSW-1070-B-S-T-V | 10.1 in. (257 mm) wall mount touch screen, black |
| UC-BRKT-200-S-T-ASSY | UC Bracket Assembly comprised of: <ul style="list-style-type: none">• UC Engine: ASUS Mini PC with Microsoft Teams video• HD-CONV-USB-200: HDMI® to USB 3.0 converter for content ingest• Mounting hardware• EDID Passthroughs: (2) HDMI Female-to-Male |
| UC-SB1-CAM-FLEX | UC Video Conference Smart Soundbar and Camera |
| CBL-4K-DP-HD-6 | DisplayPort™ to HDMI Cable, 6 ft (1.8 m) |
| CBL-CAT5E-7 | (2) 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) |

| | |
|------------------------------------|--|
| DM-CBL-ULTRA-PC-20 | Ethernet LAN cable, CAT6a, RJ-45-to-RJ-45, blue, 20 ft (6.1 m) |
| PWE-4803RU | PoE Injector |

Wall Mount Touch Screen

| | |
|----------------------------|--|
| Touch Screen | 10.1 in. (257 mm) diagonal capacitive multi-touch TFT active matrix color LCD, 1920 x 1200 pixels |
| UI | Microsoft Teams UI plus optional Crestron Smart Graphics® room control UI ² |
| Ethernet | 100 Mbps, auto switching, auto negotiating, auto discovery, full/half duplex, TCP/IP, UDP/IP, CIP, DHCP, SSL, TLS, SSH, SFTP (SSH File Transfer Protocol), IEEE 802.1X, SNMP, IPv4 or IPv6, Active Directory® service authentication, HTTPS web browser setup, XiO Cloud® client, IEEE 802.3at compliant |
| Power over Ethernet | IEEE 802.3at Type 2 compliant PoE+ PD (Powered Device); Normally requests 15 W from an 802.3at Type 2 PSE with LLDP advanced power management; With room scheduling and USB enabled, requests 18 W from an 802.3at Type 2 PSE with LLDP; Requests 30 W (PoE+ Class 4) from an 802.3at Type 2 PSE without LLDP; Requests 15.4 W (PoE Class 0) from an 802.3af (or 802.3at Type 1) PSE |
| PoE Injector | A PoE injector is included to power the touch screen if network PoE is not available |
| Construction | Plastic, smooth black finish, edge-to-edge glass with black surround |
| Dimensions | Height: 5.87 in. (149 mm) Width: 9.46 in. (240 mm) Depth: 2.01 in. (51 mm) Dimensions do not include mounting bracket or add-on accessories |
| Weight | 1.61 lb (730 g) |

Smart Soundbar and Camera

| | |
|-----------------|--|
| Speakers | Stereo 2-way, 20 W per channel; 3 in. (76 mm) woofers; 3 x 4-3/8 in. (76 x 112 mm) passive radiators; 1 in. (25 mm) dome tweeters; 80 Hz to 20 kHz (±3 dB) frequency response; 91 dB SPL @ 1 m output level (both channels driven at full power) |
|-----------------|--|

UC-B30-T-WM

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Microphone Linear quad-element far-field adaptive beamforming microphone array; 15 ft (4.6 m) pickup range, 180° horizontal and 180° vertical pickup angle; 20 Hz to 8 kHz frequency response

NOTE: Microphone pickup range may vary in rooms with highly reflective infrastructure (e.g., glass walls, metal furniture, open ceilings, etc.) or above average ambient noise.

Audio DSP Acoustic echo cancellation, dereverberation, automatic gain control, dynamic noise suppression, adaptive beamforming, speaker volume control, speaker EQ and limiting (fixed); Full-duplex IEEE 1329 Type 1 compliant

Camera Optics 12 Megapixel 1/2.3 CMOS sensor, ultra wide angle six element aspherical glass lens, f/2.8 aperture

Camera Field of View 150° diagonal, 120° horizontal, 90° vertical

Autozoom Genius Framing automatic lossless digital zoom intelligently frames around people in the room

Camera Noise Reduction 3D noise reduction, bias compensating spatio-temporal filtering, wide area chroma filtering, flicker elimination

Camera Scaling Real-time scaling, dewarping, and perspective correction

Camera Resolution HD 1080p @ 30 fps

Analog Audio Input 2-Channel stereo via 3.5 mm TRS mini-phone jack, fixed level (bypasses DSP), 1 Vrms maximum per channel for full rated output, for in-room amplification of an external audio source

Analog Audio Output 2-Channel stereo via 3.5 mm TRS mini-phone jack, fixed level, 1 Vrms maximum, feeds amplified audio content to an assistive listening system

Status Bar Multi-segment RGBY LED zero-center mutually-diverging linear bargraph

Main Power 24VDC via external 100-240VAC, 50/60 Hz power pack, model [PW-2420RU](#) (included)

Enclosure Lightly textured gunmetal black finish, plastic housing, perforated stainless steel grilles, die-cast aluminum rear cover, integral steel hinged mounting bracket

Mounting Freestanding or surface wall mount at ear/face level (adhesive feet included, mounting bracket attached)

Dimensions Height: 4.57 in. (116 mm), 4.64 in. (118 mm) with feet
Width: 43.60 in. (1107 mm)
Depth: 3.90 in. (99 mm)

Weight 13.56 lb (6.2 kg)

UC Bracket Assembly

UC Engine ASUS Mini PC, Intel Core® processor with Windows® 10 IoT Edition OS and 100/1000 Mbps Ethernet connectivity

UC Client Microsoft Teams Rooms with Skype® for Business software functionality

Management Client XiO Cloud Service

Content Ingest HDMI input via HDMI to USB 3.0 converter (model HD-CONV-USB-200)

Display Output Single or dual display support¹

Display Output Resolution 1080p

Power 65 W via external 100-240VAC, 50/60 Hz adapter (included)

Construction Metal mounting bracket, black, preassembled with UC Engine 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 kg)

Model

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Available Accessories

For a list of available accessories, visit the [UC-B30-T-WM](#) product page.

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. 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.
3. Only one control device may be connected via direct connection method.

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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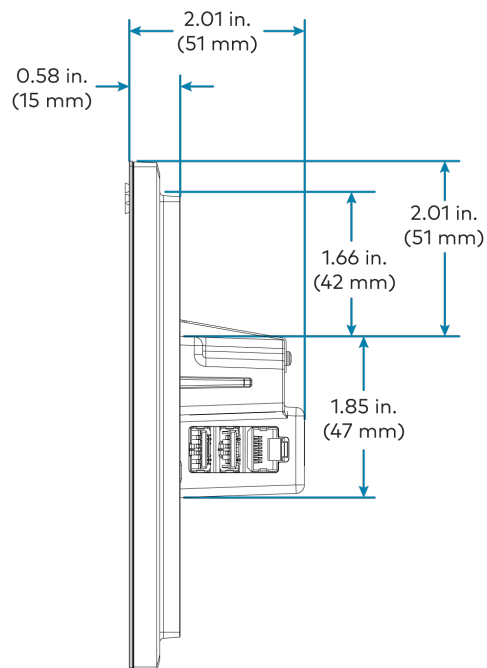
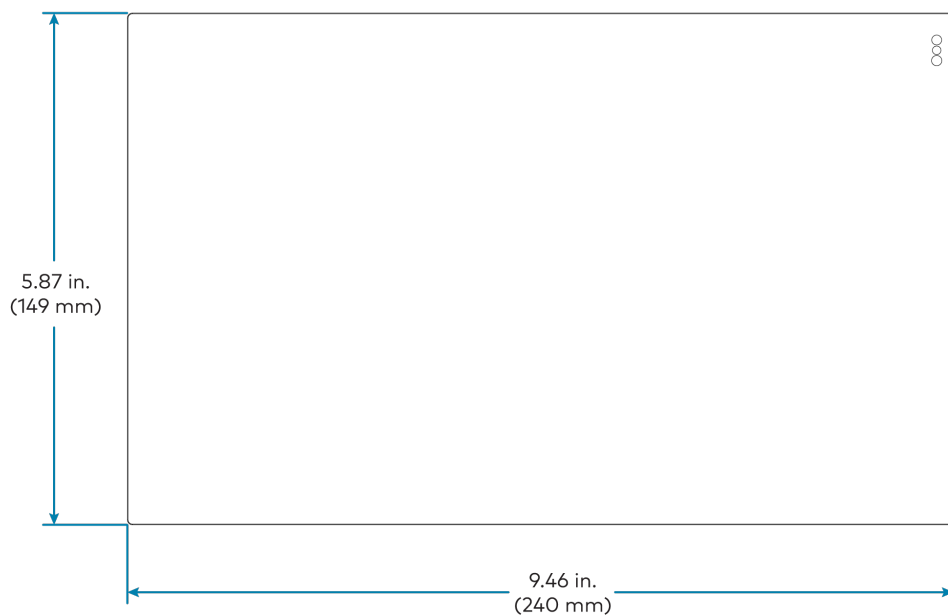
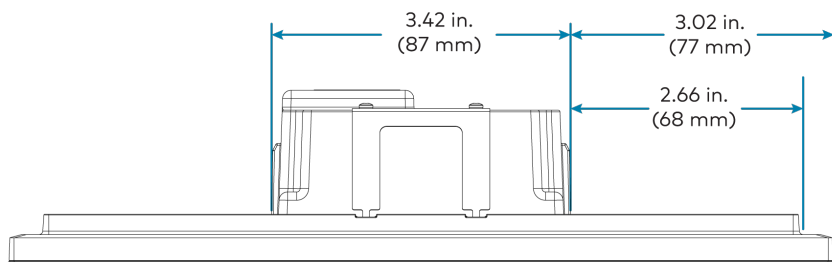
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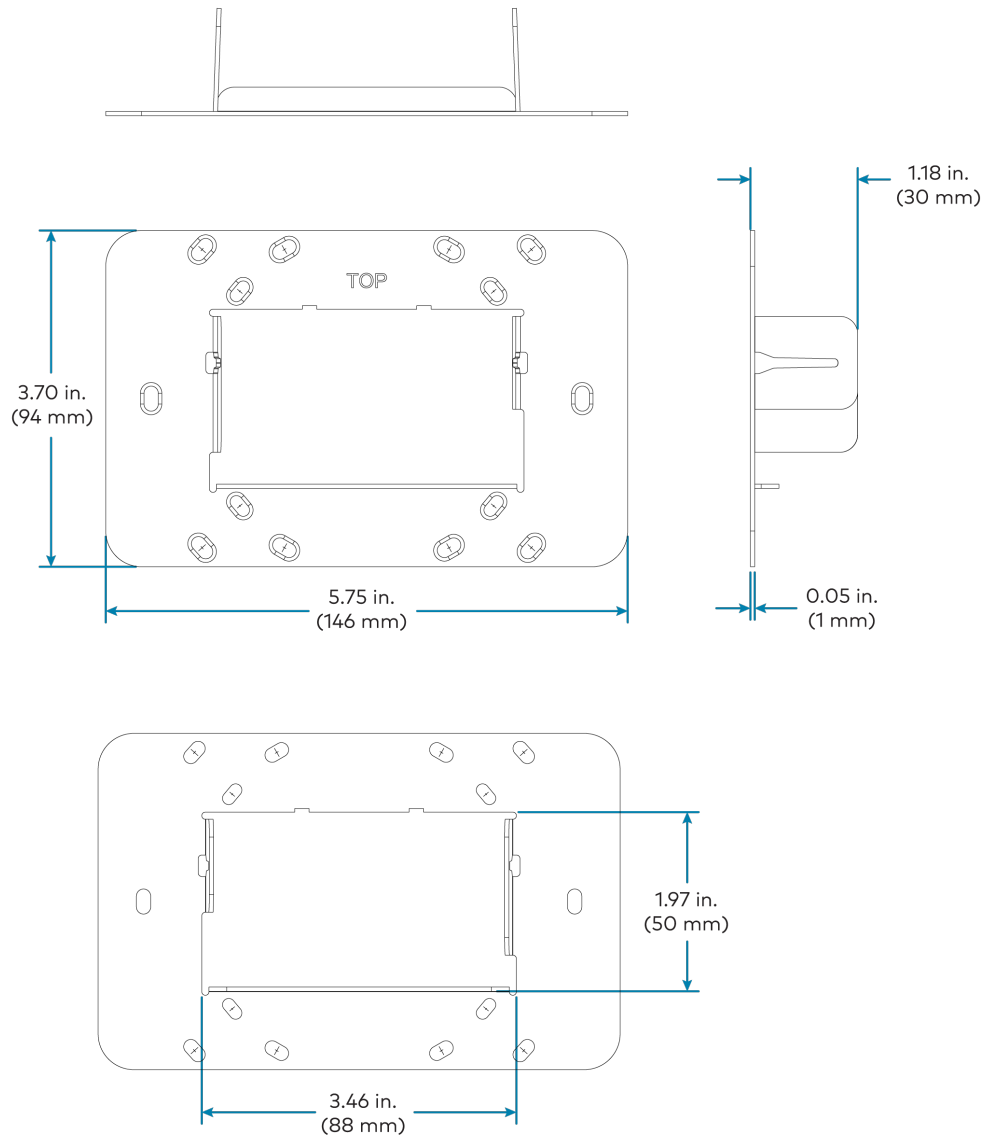
Touch Screen (TSW-1070-B-S-T-V)



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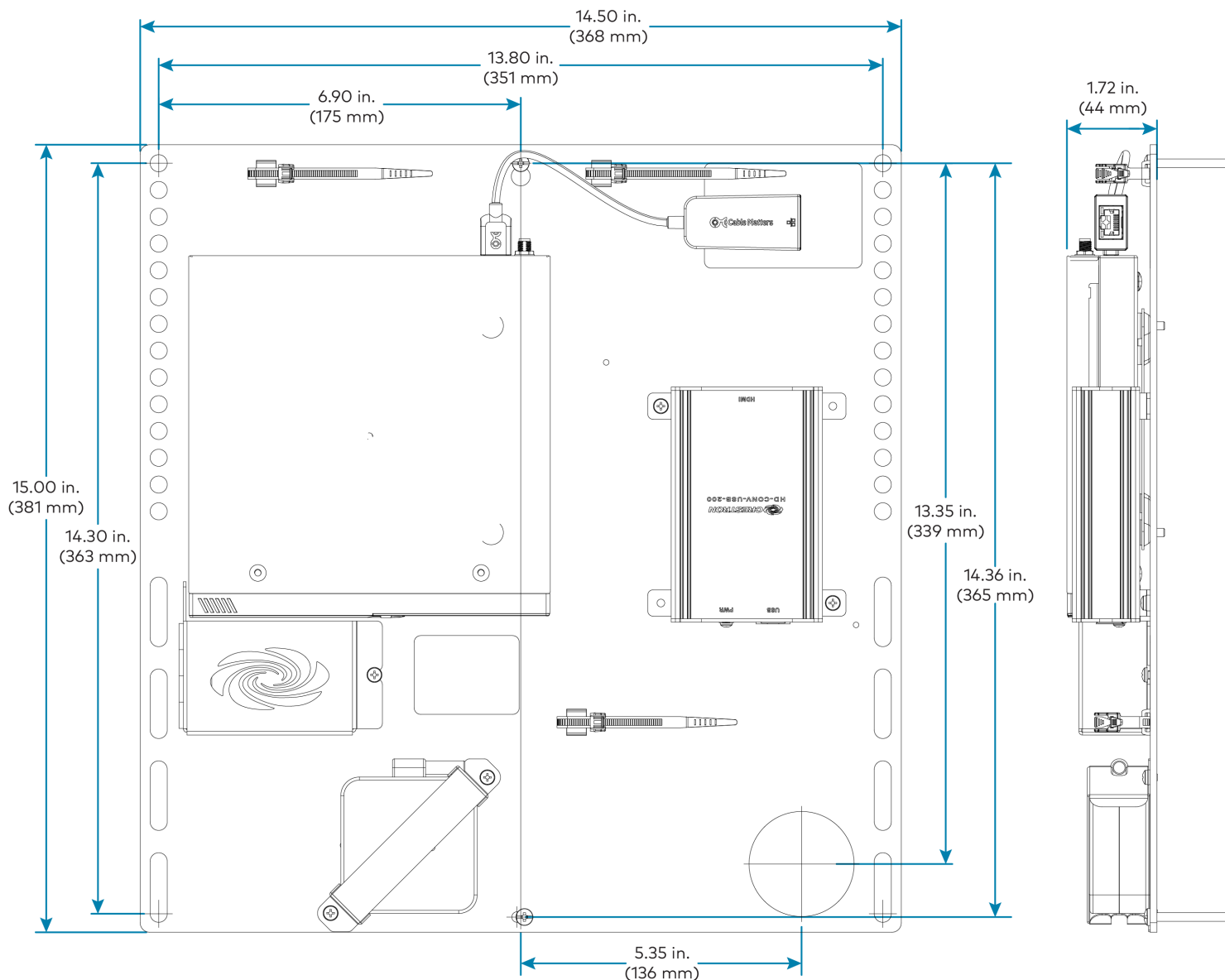
TSW-1070 Mounting Bracket



UC-B30-T-WM

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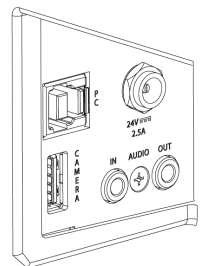
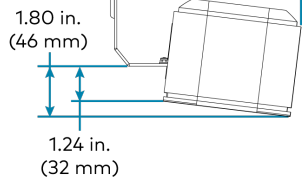
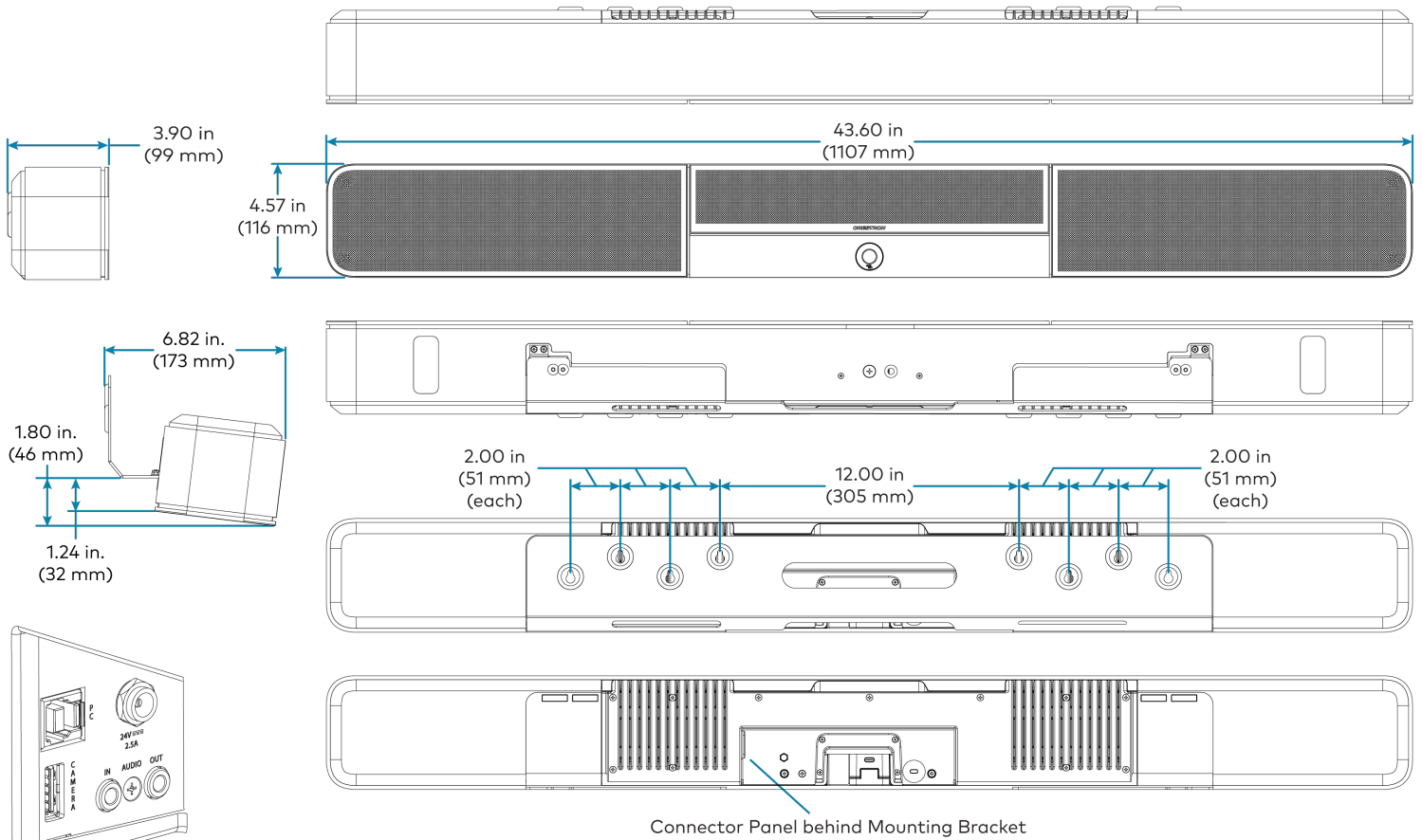
UC Bracket Assembly (UC-BRKT-200-S-T-ASSY)



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Smart Soundbar and Conferencing Camera (UC-SB1-CAM-FLEX)



Connector Panel

Connector Panel behind Mounting Bracket