UC-BX30-Z

Crestron Flex Advanced Small Room Conference System with Video Soundbar for Zoom Rooms® Software

- *Front-of-room video conferencing solution for software*
- *Present, call, conference, and collaborate using your own device's UC conference platform (BYOD) or the native Zoom Rooms® platform*
- *Native Zoom Rooms® touch screen UI provides a consistent, simple user experience with one-touch meeting joins*
- *Complete kit contains a 10.1 in. tabletop touch screen, smart soundbar and camera, UC bracket assembly, UC presentation transmitter, and PoE injector— 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*
- *Premium-level support with Crestron Flex Care (optional)*
- *Enterprise-grade security — connects and communicates securely over any enterprise or SMB (Server Message Block) network*
- *Supports up to three video displays (not included)*

The UC-BX30-Z Crestron Flex advanced tabletop conferencing system provides a small room video conference solution for use with Zoom Rooms® software. It supports up to three video displays[1] (not included) and features a tabletop touch screen, smart soundbar and camera, UC bracket assembly, UC presentation transmitter, PoE injector, and cables.

Native Zoom Rooms® Software Experience

The UC-BX30-Z system includes Zoom Rooms conferencing software, providing seamless audio and video connectivity for effective collaboration and content sharing in medium to large meeting rooms. It is compatible with multicamera, multistream and Intelligent Director functions.

Intuitive User Interface

With a large 10.1 in. (257 mm) capacitive touch screen display, the Crestron® tabletop touch screen (TS-1070) provides superior conferencing control in meeting rooms, huddle spaces, and executive offices. The touch screen also offers control of room lighting, shades, thermostats, and other equipment.[2]

Simplified Deployment

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

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.

Bring Your Own Device (BYOD)

Conference room visitors can connect their laptop to the Crestron Flex system to use their own UC conference platform. The UC Presentation Transmitter (UC-PR) switches to the connected laptop's UC platform and returns to the native platform when disconnected.[3] For a list of BYOD tested devices on the UC-PR, refer to OLH Article 1000889.

Enterprise-Grade Security

The Crestron Flex enterprise-grade solution that is 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 management and provisioning, and pairing of a control device to the system's UC Engine.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® branded hardware, expedited advance replacements, and a discounted rate for onsite support.

Visit www.crestron.com/flexcare for detailed terms and conditions and additional information.

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Deployment Resources

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

Specifications

Included Components

TS-1070-B-S	10.1 in. (257 mm) tabletop touch screen, black
UC-BRKT-260-P-Z-ASSY	UC Bracket Assembly comprised of: • UC Engine: Mini PC with Zoom Rooms video • HDMI® over CAT5 to USB 3.0 converter for content ingest • Mounting hardware
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UC-PR	UC Presentation Transmitter with Cable Organizer
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); secondary display
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); primary display
DM-CBL-ULTRA-PC-20	Ethernet LAN cable, CAT6a, RJ-45-to-RJ-45, blue, 20 ft (6.1 m)

Tabletop Touch Screen

Touch Screen	10 in. (254 mm) diagonal capacitive multi-touch TFT active matrix color LCD, 1920 x 1200 pixels
UI	Zoom Rooms UI plus optional Crestron Smart Graphics® room control UI[2]
Ethernet	100/1000 Mbps, autoswitching, autonegotiating, autodiscovery, 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
Power	Powered via PoE passthrough on the UC-PR
Construction	Plastic, smooth black finish, edge-to-edge glass with black surround
Dimensions	Height: 5.29 in. (134 mm) Width: 9.63 in. (245 mm) Depth: 4.67 in. (119 mm)
Weight	2.44 lb (1.10 kg)

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)
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

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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	Mini PC, Intel Core® i5 processor,10th Generation with Windows® 11 IoT Enterprise and 100/1000 Mbps Ethernet connectivity
UC Client	Microsoft Teams Rooms
UC Client	Zoom Rooms software
Management Client	XiO Cloud Service
Content Ingest	HDMI input via CAT5 to USB 3.0 converter
Display Output	Up to three displays supported[1]
Display Output Resolution	1080p
Power	UC Engine: 100-240VAC, 50/60 Hz adapter (included); CAT5 to USB 3.0 converter: 24VDC via external 100-240VAC, 50/60 Hz power pack (included)
Construction	Metal mounting bracket, black, preassembled with UC Engine and CAT5 to USB 3.0 content ingest device
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: 1.87 in. (48 mm)
Weight	8.0 lb (3.7 kg)

UC Presentation Transmitter (UC-PR)[3]

Video Input Signal Types	HDMI, DisplayPort™ 1.2 via USB-C® port
Video Output Signal Types	HDMI over CAT5
Resolution	1080p
Video Content Protection	HDCP 1.4 and HDCP 2.2
Audio Input Signal Types	HDMI, DisplayPort 1.2 via USB-C port
Audio Output Signal Types	HDMI over CAT5
Communications	Ethernet: 100 Mbps, autoswitching, autonegotiating, autodiscovery HDMI over CAT5: HDCP, Ethernet HDMI: HDCP USB: USB 2.0 and USB 3.0

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Connectors	LAN PoE: (1) 8-pin RJ-45 connector; ACC: (1) USB 3.0 Type B connector; For firmware loading only; USB A: (1) USB 2.0 Type A connector; USB B: (1) USB 2.0 Type B connector; USB: (1) USB 2.0 Type-C connector; HDMI IN: (1) HDMI Type A; To RX: (1) 8-pin RJ-45 connector; Power Jack: (1) DC power connector; LAN: (1) 8-pin RJ-45 connector; Ground: (1) 6-32 screw
Indicators	PWR: (1) Green LED, indicates operating power supplied via power supply Ethernet: (2) LEDs on To RX port; Green indicates Ethernet link status; Amber indicates Ethernet activity
Power Supply	24VDC, 6A, 100-240VAC
Device Charging	Up to 60 W charging for devices connected via USB-C port
Construction	Metal, black finish, integral mounting flanges; Vented top, front, bottom, and sides
Mounting	Surface mount for mounting under table; Attaches to a single rack rail
Dimensions	Height: 1.58 in. (40 mm) Width: 9.25 in. (235 mm) Depth: 8.20 in. (208 mm)

Model

UC-BX30-Z
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Available Accessories

For a list of available accessories, visit the UC-BX30-Z 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, and so forth) requires additional equipment and commissioning to be provided by a Crestron authorized integrator and/or programmer. Additional costs may apply.
3. The UC-PR uses a USB-C 2.0 connection to provide content sharing, BYOD support, and charging for a user's device. Because USB-C supports multiple functions, device compatibility often varies. While some devices can accept power and data through the same USB-C connection, others cannot. The USB-C port on the UC-PR (labelled "USB") uses DisplayPort alternate mode for transporting video signals. Consult the connected device's user manual or manufacturer to ensure that the device supports DisplayPort alternate mode. Some devices that support DisplayPort alternate mode may not support device charging. USB-C transfer speeds may vary based on the connected device's processing speed, system configuration, the operating environment, and/or other factors. If the user's device does not support USB-C, then a combination of HDMI and USB B may be used for content sharing or BYOD functionality as described in the Crestron Flex Unified Communications Solutions Product Manual. |.

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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 contact us for additional information by visiting https://www.crestron.com/contact/our-locations for your local contact.

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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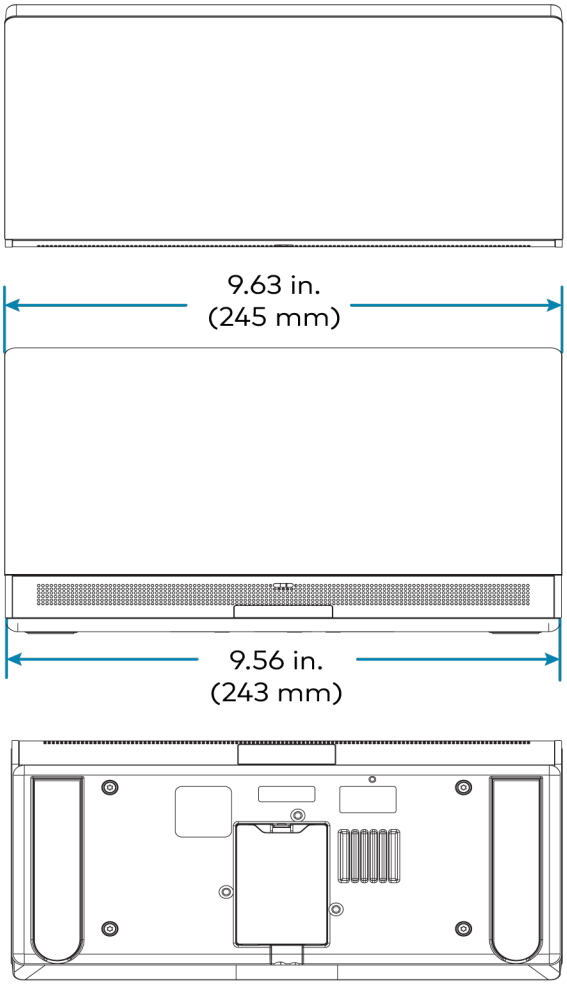
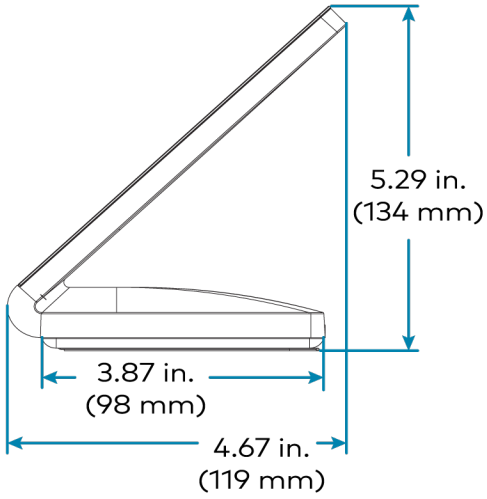
Touch Screen (TS-1070-B-S)





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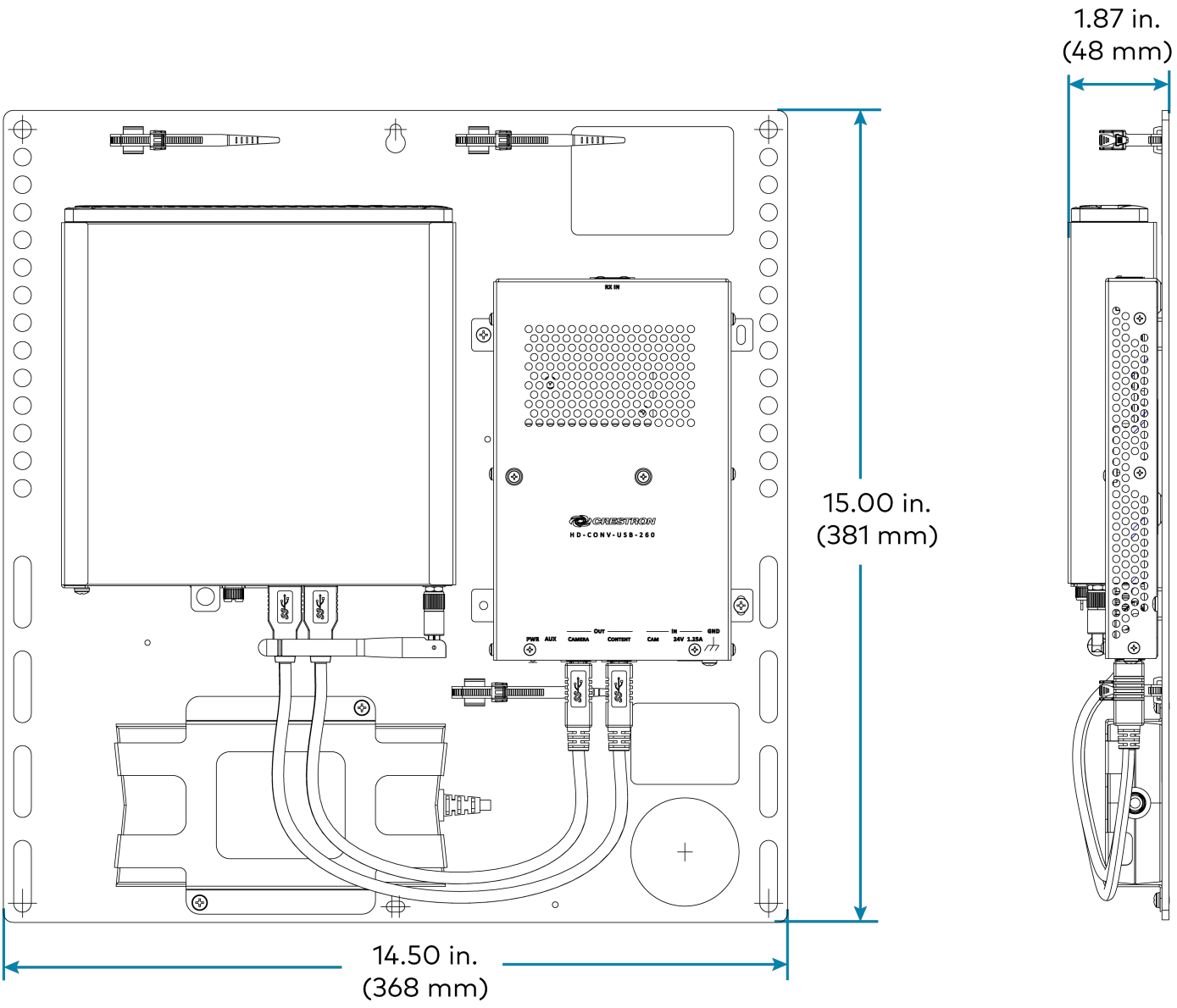
UC Bracket Assembly



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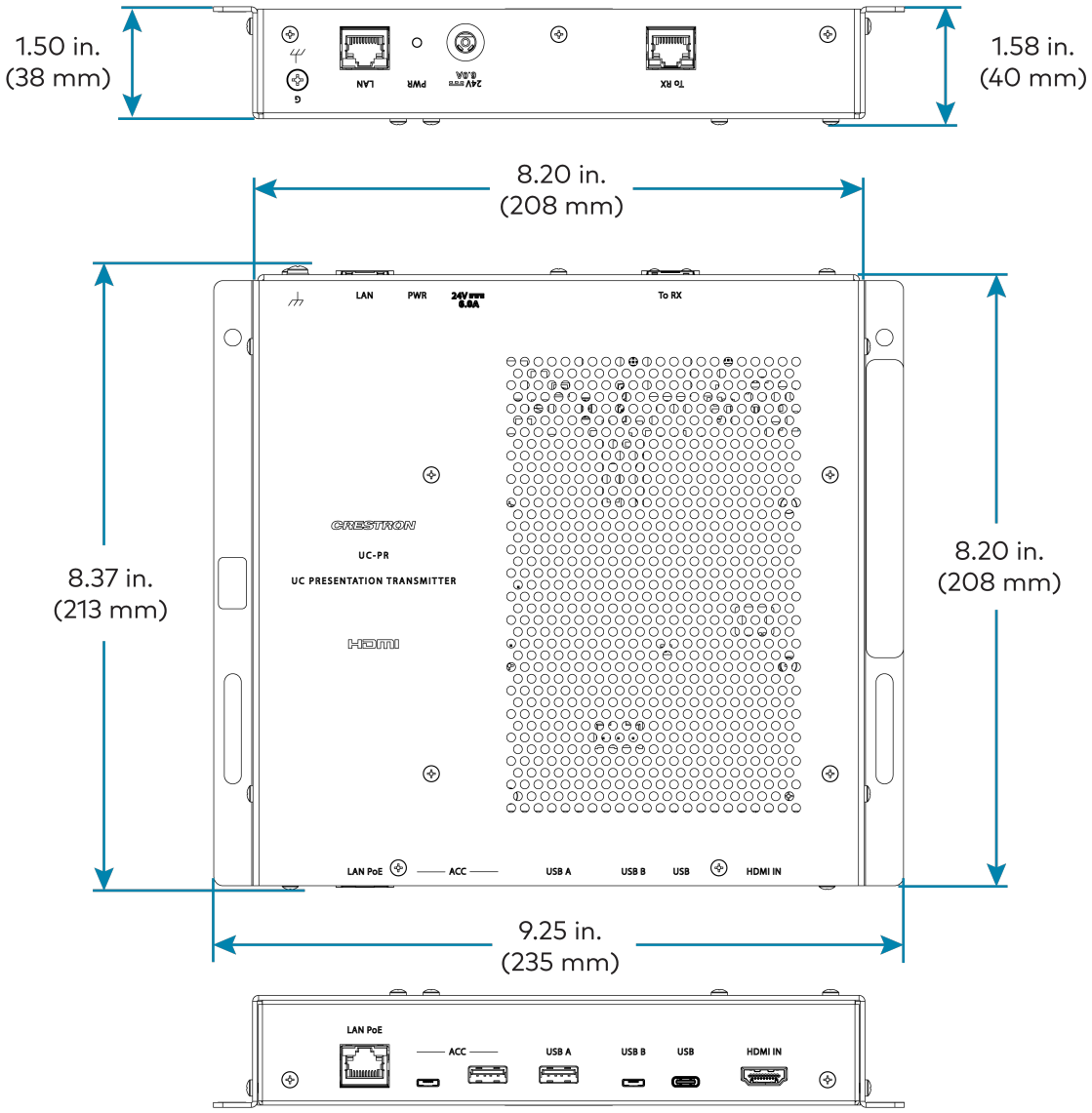
UC Presentation Transmitter (UC-PR)



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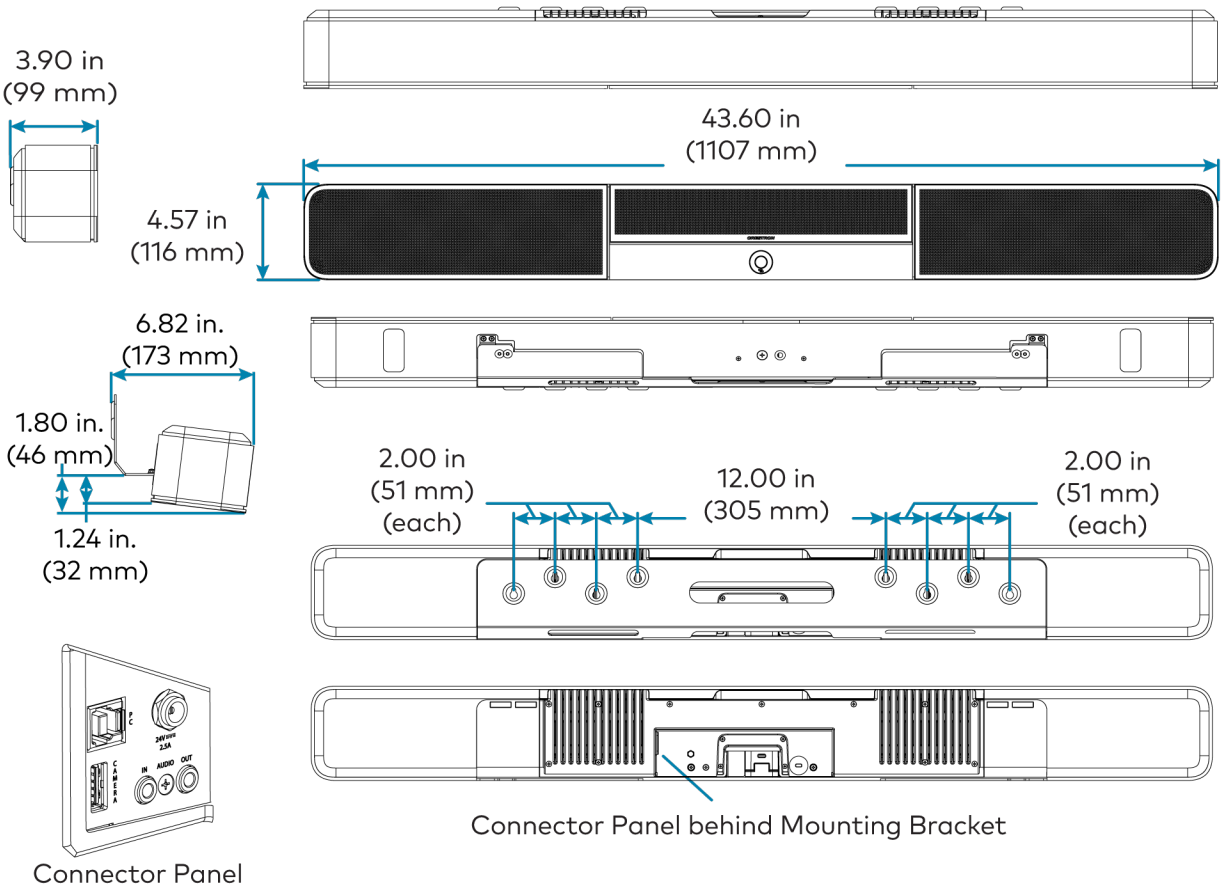
Smart Soundbar and Conferencing Camera (UC-SB1-CAM-FLEX)



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