UC-B30-Z

Crestron Flex Small Room Conference System with Video Soundbar and ASUS® Mini PC for Zoom Rooms™ Software

- *Front-of-room video conferencing solution for Zoom Rooms™ software*
- *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, 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 network*
- *Supports single or dual video displays (not included)*

The UC-B30-Z Crestron Flex tabletop conferencing system provides a small room video conference solution for use with Zoom Rooms™ software. It supports single or dual video displays[1] (not included) and features a tabletop touch screen, smart soundbar and camera, UC bracket assembly, PoE injector, and cables.

Native Zoom Rooms™ Software Experience

The UC-B30-Z system features Zoom Rooms conferencing software that enables audio and video connectivity for easy collaboration and content sharing.

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 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.

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.

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.

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

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

TS-1070-B-S	10.1 in. (257 mm) tabletop touch screen, black
UC-BRKT-200-S-Z-ASSY	UC Bracket Assembly comprised of: • UC Engine: ASUS Mini PC with Zoom Rooms 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)
PWE-4803RU	PoE Injector

Tabletop Touch Screen

Touch Screen	10.1 in. (257 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 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: 5.29 in. (134 mm) Width: 9.63 in. (245 mm) Depth: 4.67 in. (119 mm)
Weight	2.44 lb (1105 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)
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

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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® processor with Windows® 10 IoT Edition OS 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 or dual display support[1]
Display Output Resolution	1080p
Power	90 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-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, etc.) requires additional equipment and commissioning to be provided by a Crestron authorized integrator and/or programmer. Additional costs may apply.

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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 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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Rev 10/15/21

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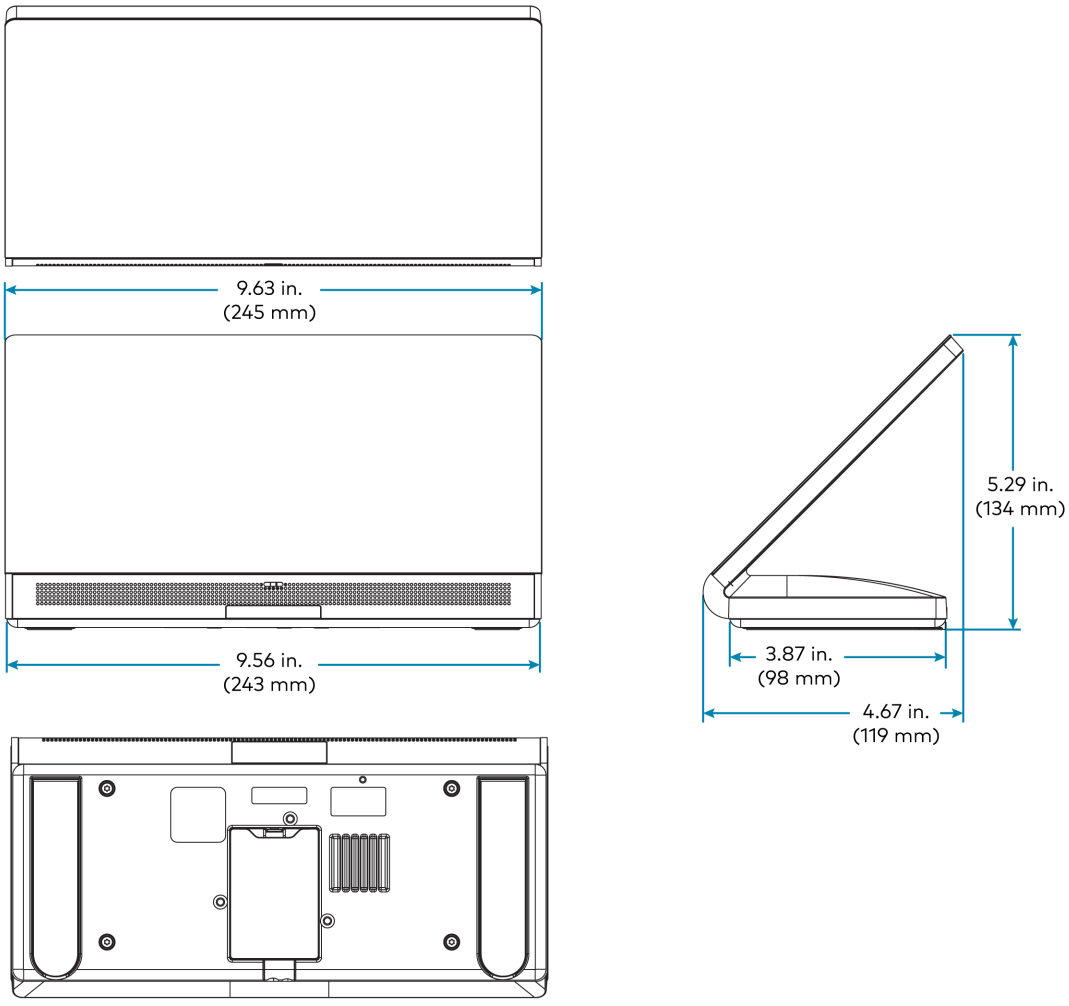
Touch Screen (TS-1070-B-S)



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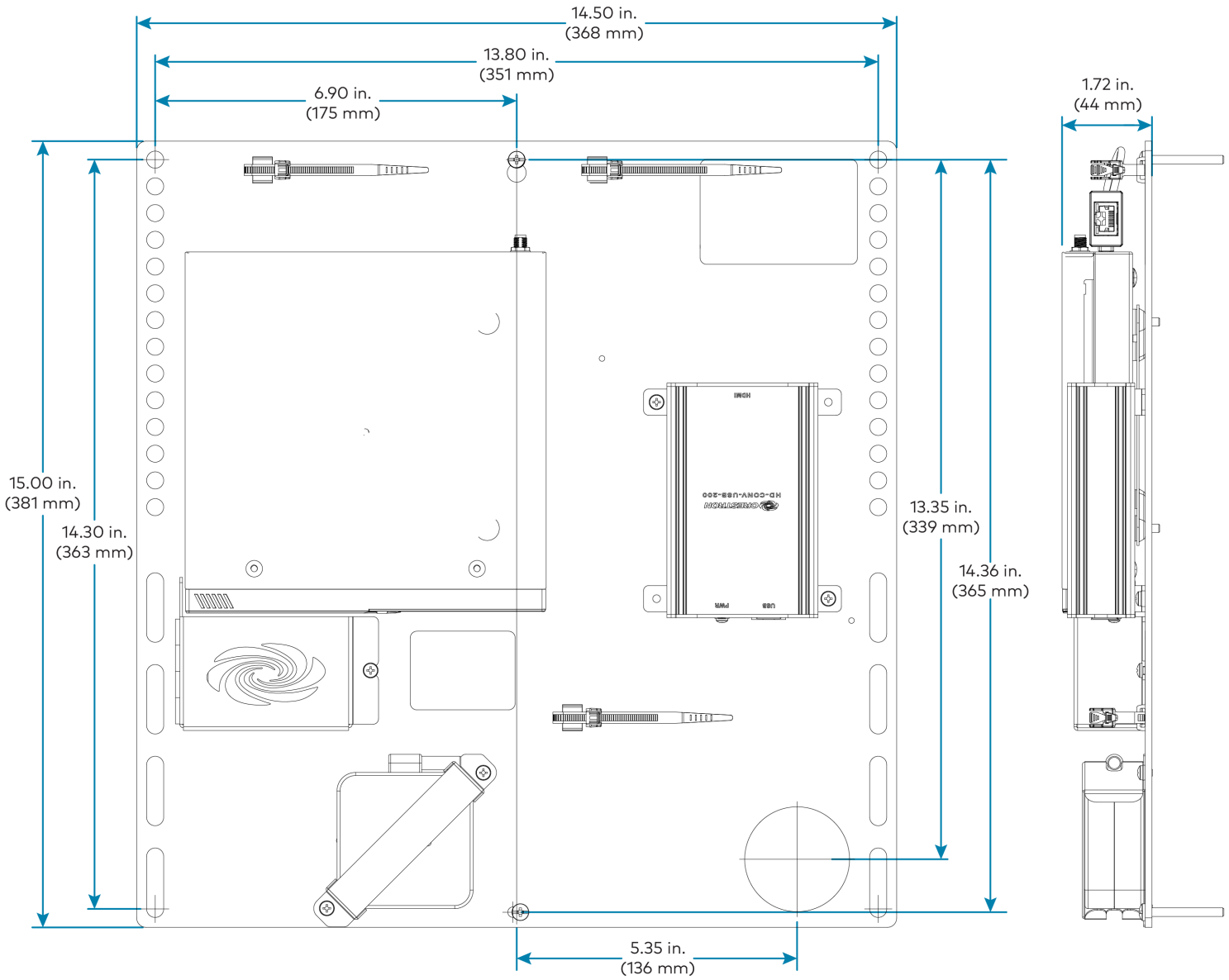
UC Bracket Assembly (UC-BRKT-200-S-Z-ASSY)



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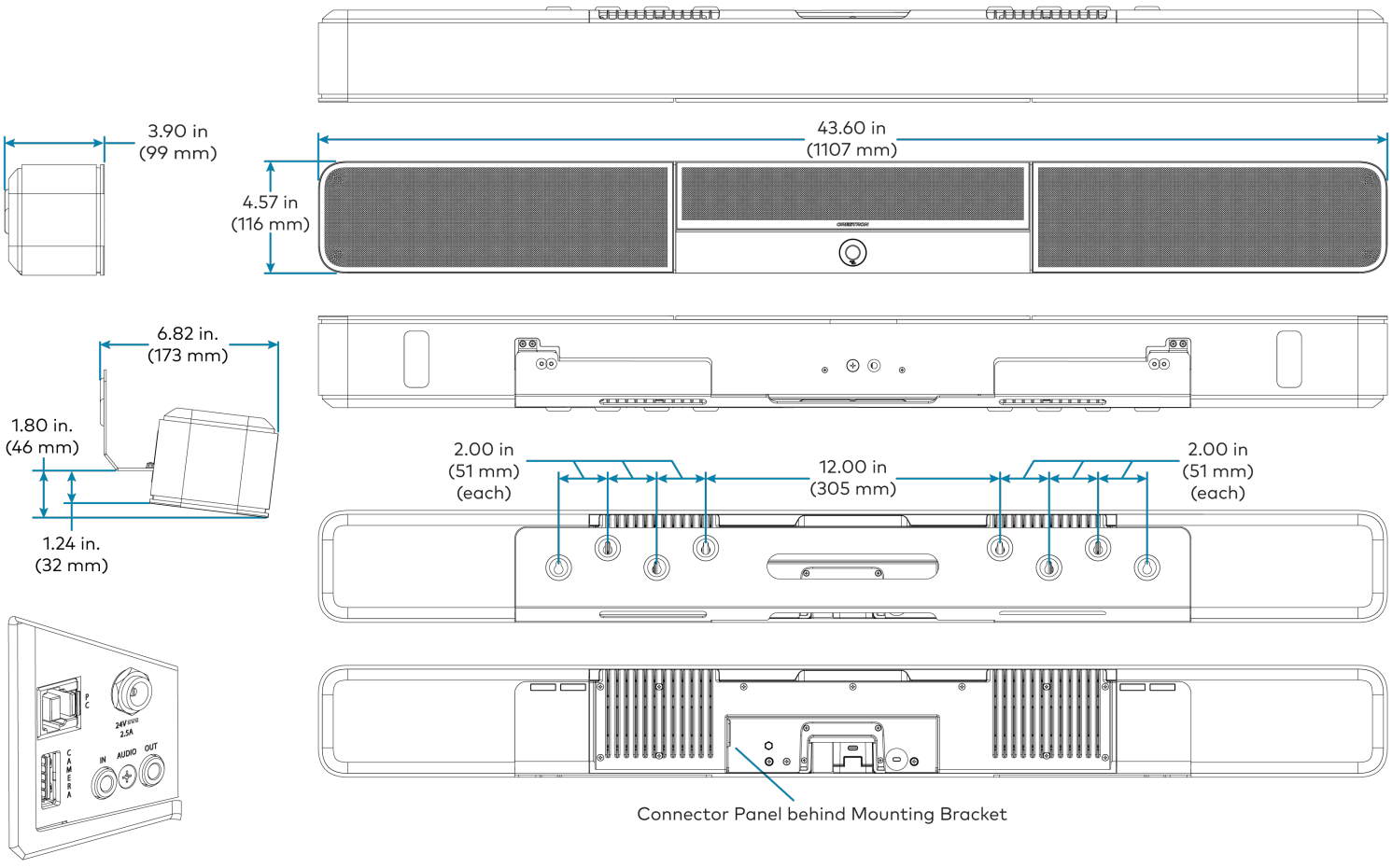
Smart Soundbar and Conferencing Camera (UC-SB1-CAM-FLEX)



Connector Panel

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