



Introduction.

The Ashton Bentley BX is a professional alternative to proprietary USB-C docks, that can be neatly mounted under a desk or table.

Unlike other docks that have very short USB-C cables to connect to the laptop, the BX has the option of being located up to 2.5m from the laptop when using the optional Ashton Bentley 2.5m Locking USB-C Cable. Not only extending the distance between the BX and the laptop, the cable also 'locks' into the BX preventing unwanted disconnection.

The BX Breakout Hub provides separate outputs for:

- HDMI
- Network
- USB ports (x3)

The unit is powered from one of the connected USB devices.

With the optional BX Charging PSU, the BX will supply charging power for the connected USB-C laptop/device. The BX back plate has a fixing position to neatly mount this optional PSU.

Dynamic USB 3.0 5V power switching.

Some Video Bars can only switch in and out of device mode if 5v is present in the USB connection. The BX has two USB 3.0 ports that both have 5V switching



BX USB-C Breakout hub - Connectivity Overview.

Standard Tablebox.



USB-C Charging.

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Touchpanel Tablebox.



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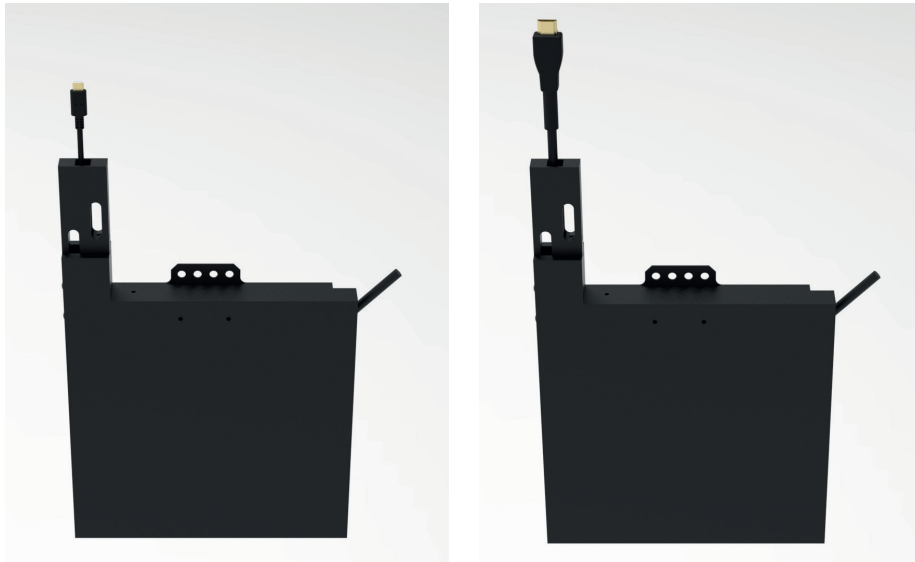
Connectivity



Connectivity.

Retractors.

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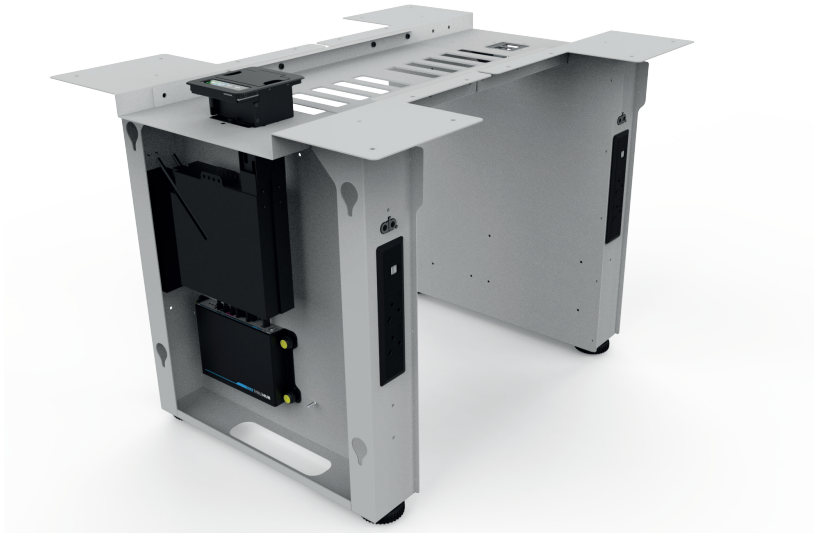
Latching Connectors.

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Tablebox Mounting.

AB Table mounting.



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3rd party table installation.



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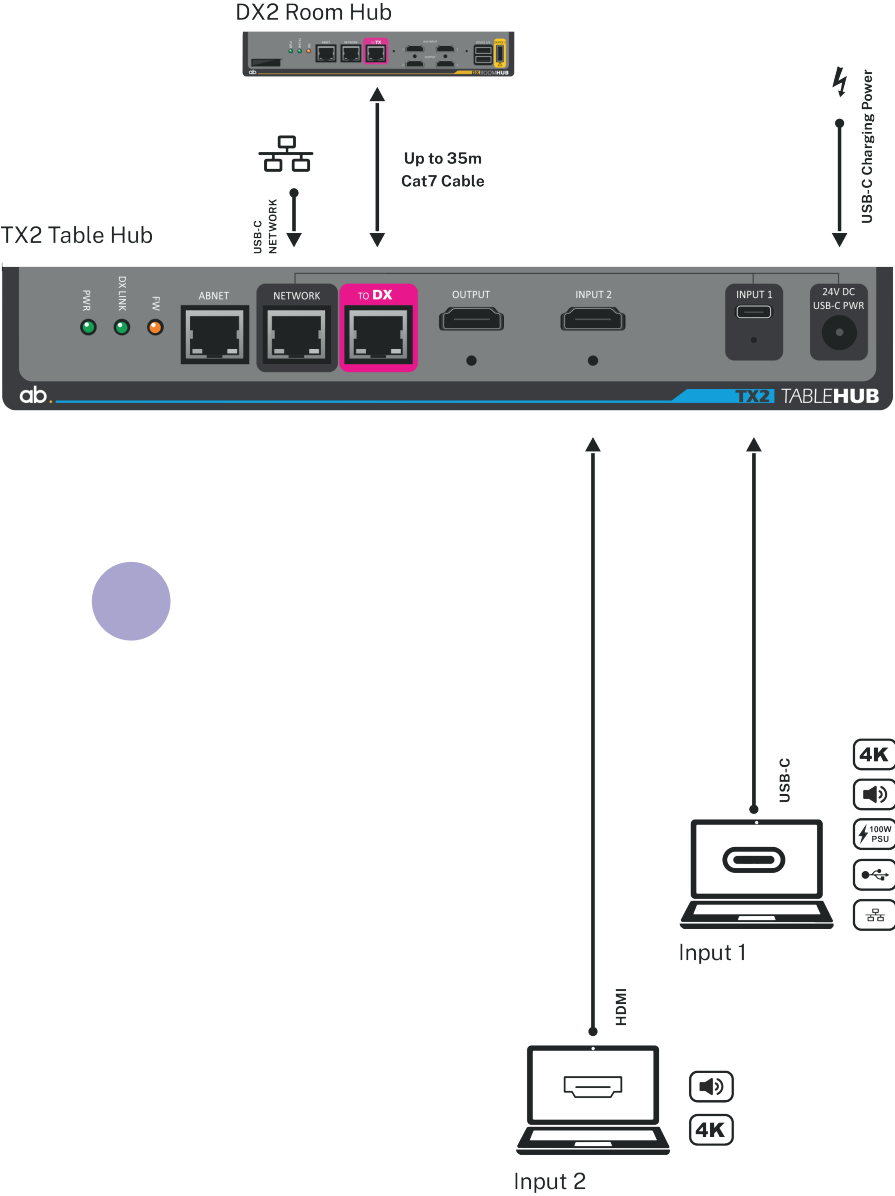
TX2 Mounting Option.

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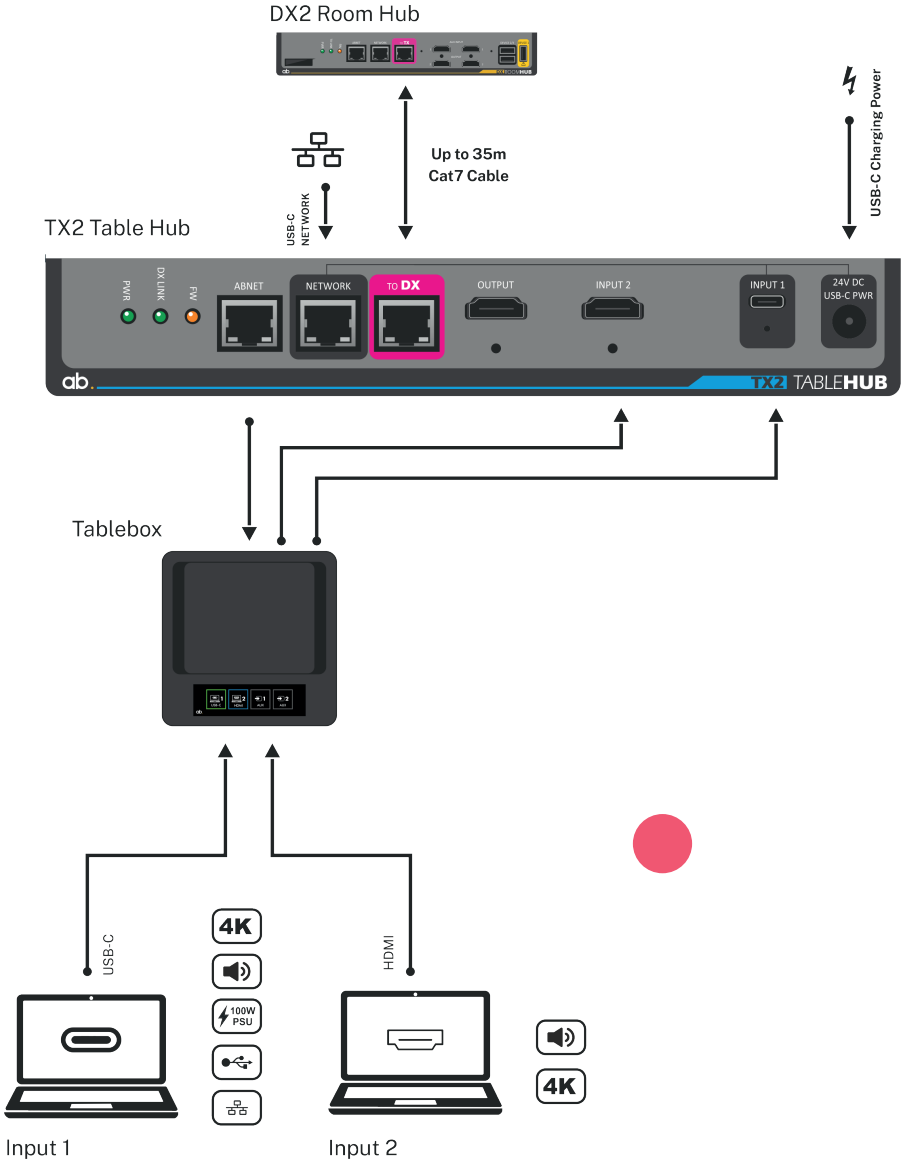


TX2 Connectivity.

Without Tablebox

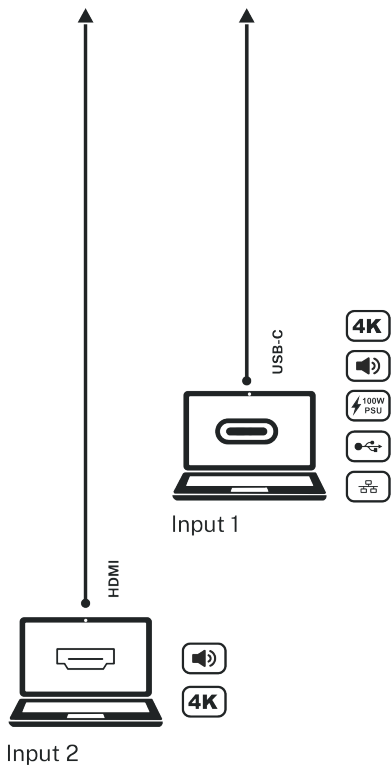


With Tablebox

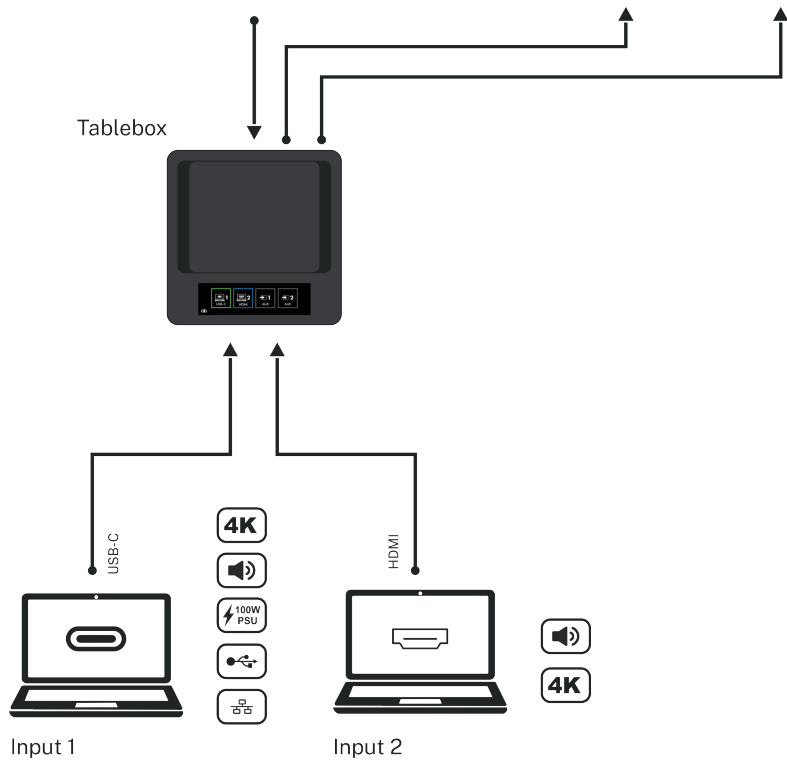


3rd Party AV Equipment Connectivity.

Without Tablebox



With Tablebox

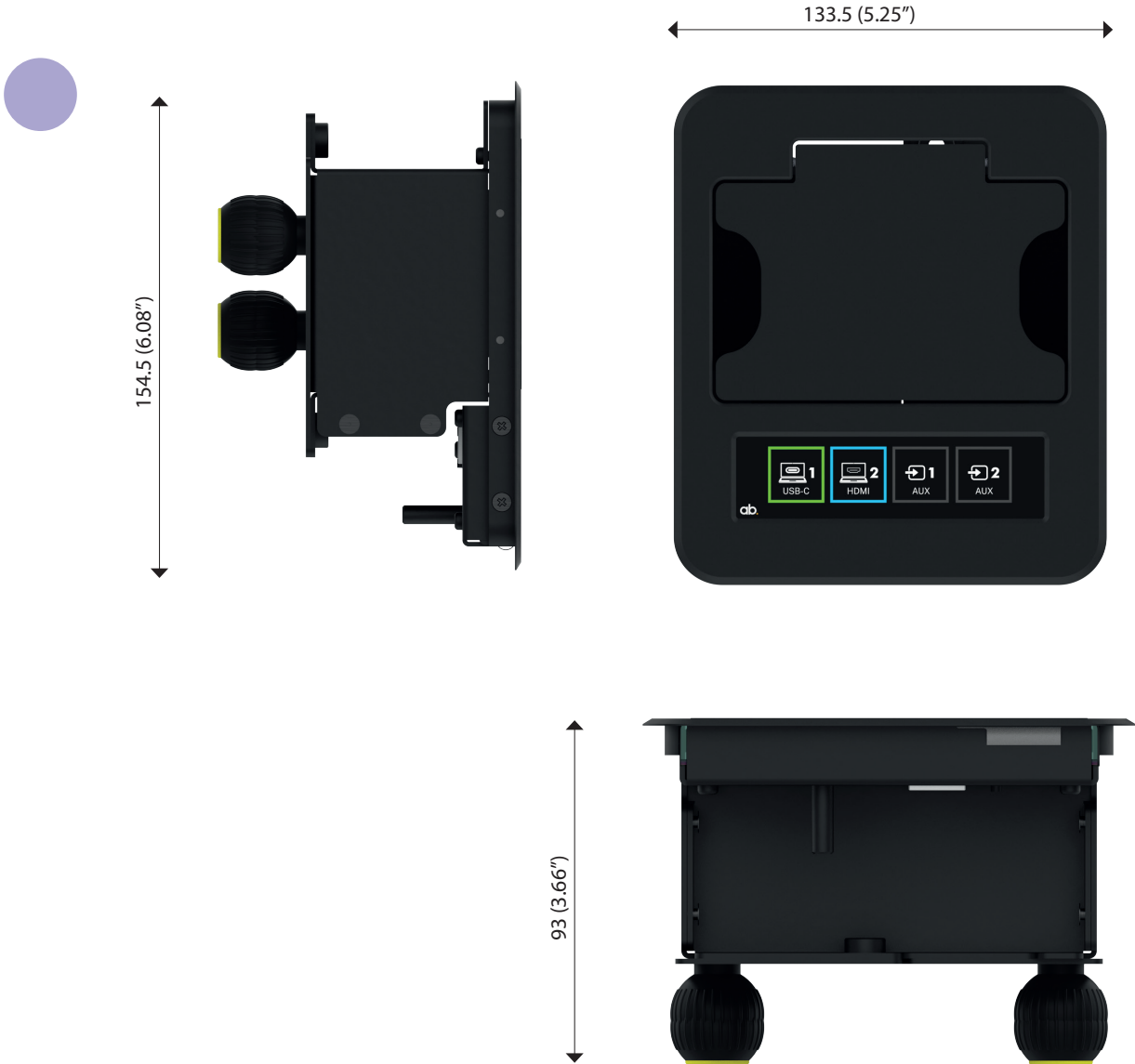


Mechanical Data



Mechanical Dimensions.

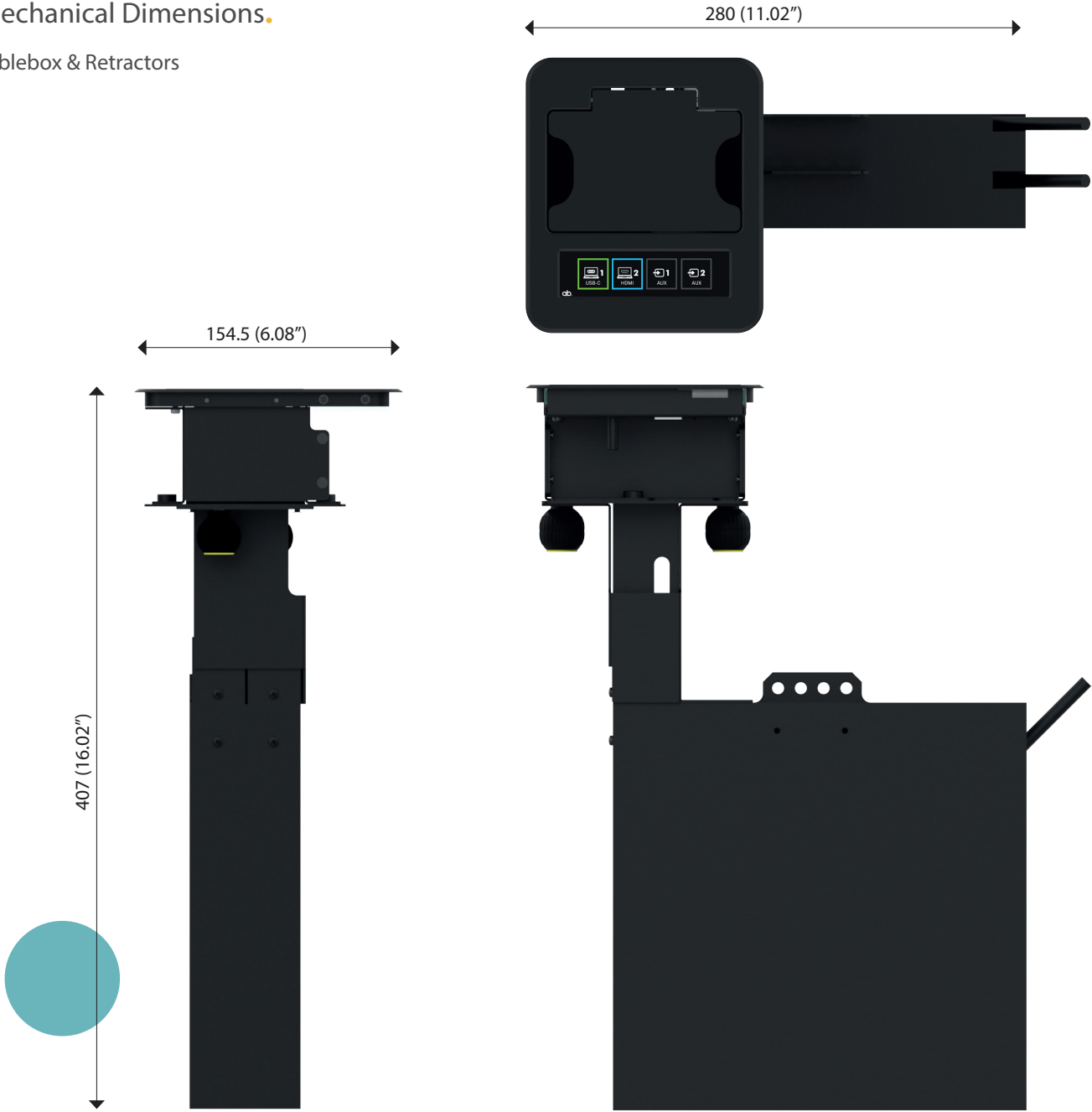
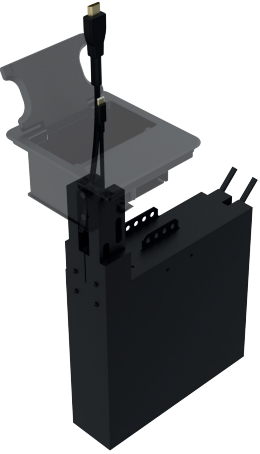
Tablebox Only



Cable Clamp.

Mechanical Dimensions.

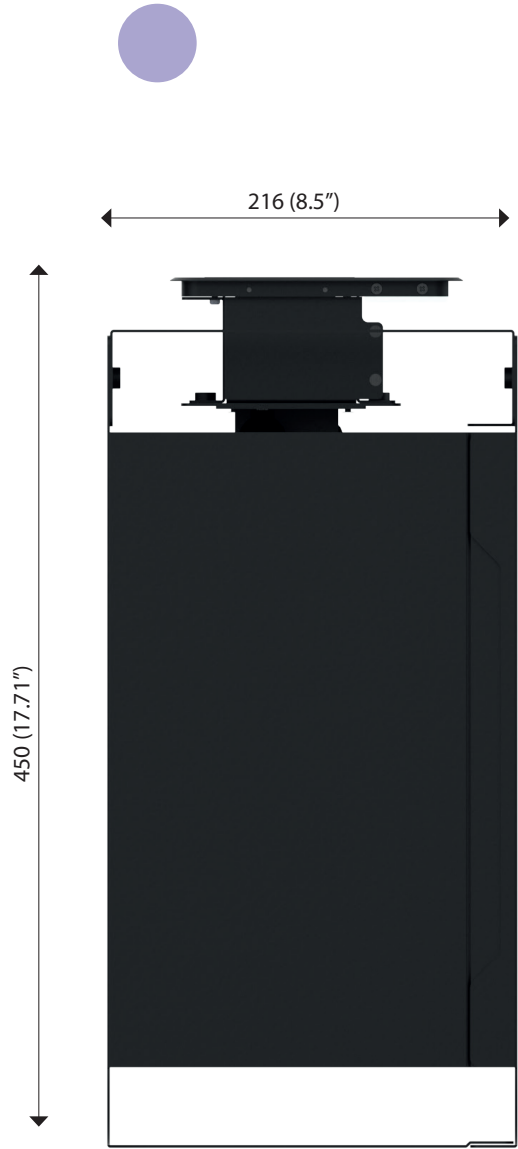
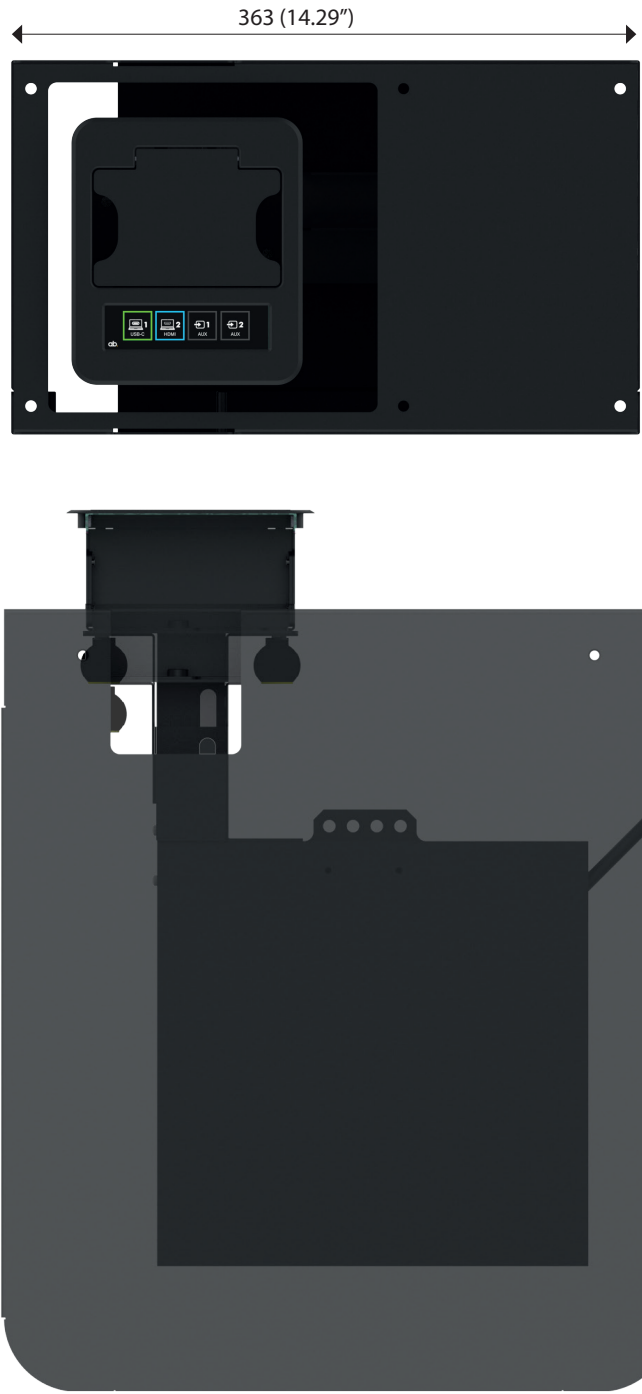
Tablebox & Retractors



Retractors.

Mechanical Dimensions.

Tablebox, Retractors & Shroud



Technical Overview.

- HDMI ComplianceHDMI 2.0b
- HDCP ComplianceHDCP 2.2
- DP ComplianceDisplay Port 1.2a
- Video BandwidthUSB-C: 5.4 Gbps
HDMI: 18 Gbps
- Video Resolution480i~1080p50/60Hz, 4Kx2K@24/30Hz, 4k2k@60Hz
- Color SpaceRGB, YCbCr 4:4:4 / 4:2:2, YUV 4:2:0
- Color Depth8/10/12-bit (1080P@60Hz)
- HDR8-bit (4K@60Hz)
Support
- HDMI Audio FormatsLPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-H Master Audio, DSD
- Transmission DistanceMax distance 1080P & 4K 35m (100ft)
- ESD ProtectionHuman body model — ±8kV (Air-gap discharge) & ±4kV (Contact discharge)

Transmitter

- Inputs1 x HDMI Type A [19-pin female]
1 x USB-C
1 x RJ45, 8-pin female (toVXR)
- Controls1x USB-C (for charging only)
1x RS-232 [3-pin phoenix connector]
1x SERVICE [Micro USB, Update port]

Receiver

- Inputs1x HDMI IN [Type A, 19-pin female]
1 x RJ45, 8-pin female (to VXT)
- Outputs1x HDMI OUT [Type A, 19-pin female]
1x AUDIO OUT [Phoenix jack]
- Controls1x RS-232 [3-pin phoenix connector]
1x SERVICE [Micro USB, Update port]

Mechanical Overview.

- HousingMetal Enclosure
- ColorBlack
- WeightVXT Transmitter: 1.5Kg,
VXR Receiver: 1Kg
- DimensionsSee Mechanical Dimensions (Pg13/14)
- Power SupplyPowered by an external 24v power supply (supplied)
- Power Consumption24W Maximum
- Operating Temperature32 - 104°F / 0 - 40°C
- Storage Temperature-4 - 140°F / -20 - 60°C
- Relative Humidity20 - 90% RH (no condensation)

Accessories



Optional Accessories.

Under-Table Enclosure .



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Tablebox Touch Panel Module.



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Tablebox Retractors.



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Contact Us.



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