

TEB550BTS



Transparent OLED

A Window into the Future

This see-through display provides the vivid colors of Organic Light Emitting Diode (OLED) technology while allowing viewers to see objects behind the panel.

TOLED is ideal for high-end retail applications, museums, trophy cases, and other product showcases. Even glass walls and windows can benefit from this eye-catching transparent display technology.

GPO Display's unique approach offers superior flexibility in design, with customization options allowing for placement of the display virtually anywhere.

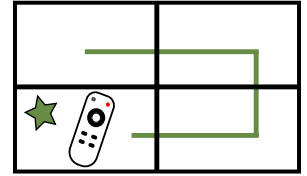


Highlights

Custom electronics box designs and panel mounting.



Master remote control function.



4K daisy-chaining and video wall processing.

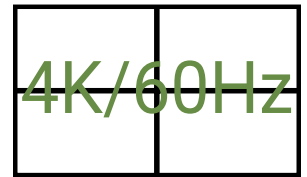
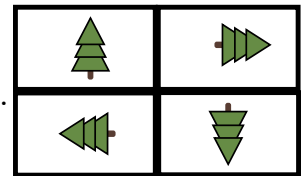


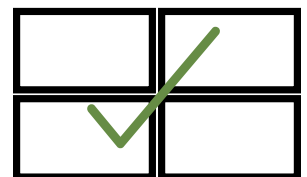
Image rotation function with no additional equipment needed.



Design flexibility allowing installers to place the electronics/ input box far from the OLED panel.



Video wall-capable (built-in video wall processor).



Specifications

Panel Attributes

Panel Technology	Active Matrix Organic Light-Emitting Diode (AMOLED)
Screen Size (diag.)	55"
Bezel Width	10mm tiled seam with air gap (nonactive panel area: L/R/T: 3.5mm B: 102.6mm)
Transparency (typ.)	43% (Panel)
Native Resolution	1920 x 1080
Active Area (mm)	1209.6 mm x 680.4mm
Brightness (typ.)	Full white: 150nit, Window 10% White: 400nit without Glass
Contrast Ratio (typ.)	>100k:1
Displayable Colors	10bit(D), 1.07 Billion colors
Viewing Angle	178°/ 178°
Aspect Ratio	16:9
Refresh Rate	60Hz

Accessories:

- RS-232 cable x1
- DP cable x1
- AC power cord x1
- Remote control x1
- Batteries for remote control
- LC cable
- MCX cables or FFC cables for connection between panel & E-Box

Options:

- 3 Electronics Box Designs Available
 1. Basic
 2. Slim
 3. Deconstructed: Power Box (P-Box) & main E-Box separated
- Video wall supporting brackets
- Ceiling mount bracket/ threaded pole
- Desktop stand

Specifications

Dimensions, Power & Other

Display Dimensions (W x H x D) + Weight	29.53 x 4.84 x 0.35 (in) - 37.5lbs
Boxed Dimensions (W x H x D) + Weight	54 x 27 x 7 (in) - 40lbs* <i>*panel only no E-box</i>
Packed Pallet Dimensions (W x H x D) + Weight	58 x 40 x 14 (in) - 110lbs* <i>*single display approx.- contact us for higher q'tys</i>
Display Orientation	Landscape or Portrait
Heat Output (BTU/hr)	461
Electrical Ratings	AC 100 - 240V (50/60Hz)
Power Consumption (typ.)	320W
Standby Power Consumption	<1W
Operating Temperature	32°F - 104°F
Operating Humidity Range	10~80%
Industrial Reliability	50,000+ Hours
Usage Ratings (hrs/days)	18/7** - moving video only
Warranty	One Year (limited parts & labor)

****Consult with GPO Display regarding best practices for preventing image retention and for prolonging display lifetime.**

Connectivity

HDMI	3 x Input
DisplayPort	2 x Input, 1 x Output
RS-232	1 x Input, 1 x Output
USB	1 x For Service
IP Control Port	1 x RJ45

Includes:

- Video wall control software
- Wall brackets
- User manual

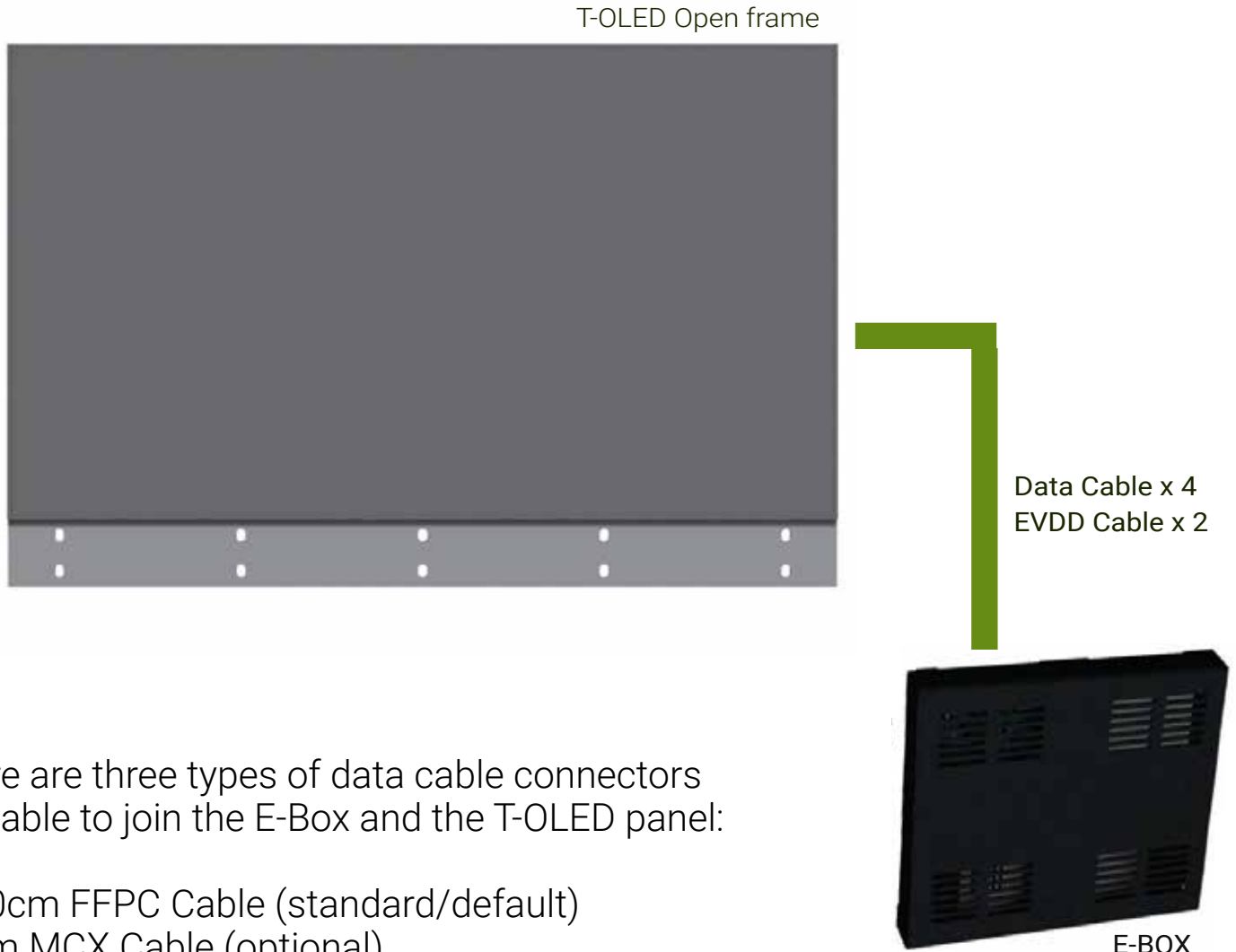
Drawings

Components:

T-OLED Open frame (panel)

Data Cable (FFPC or MCX - joins E-Box and T-OLED)

E-Box (Electronics Box)



There are three types of data cable connectors available to join the E-Box and the T-OLED panel:

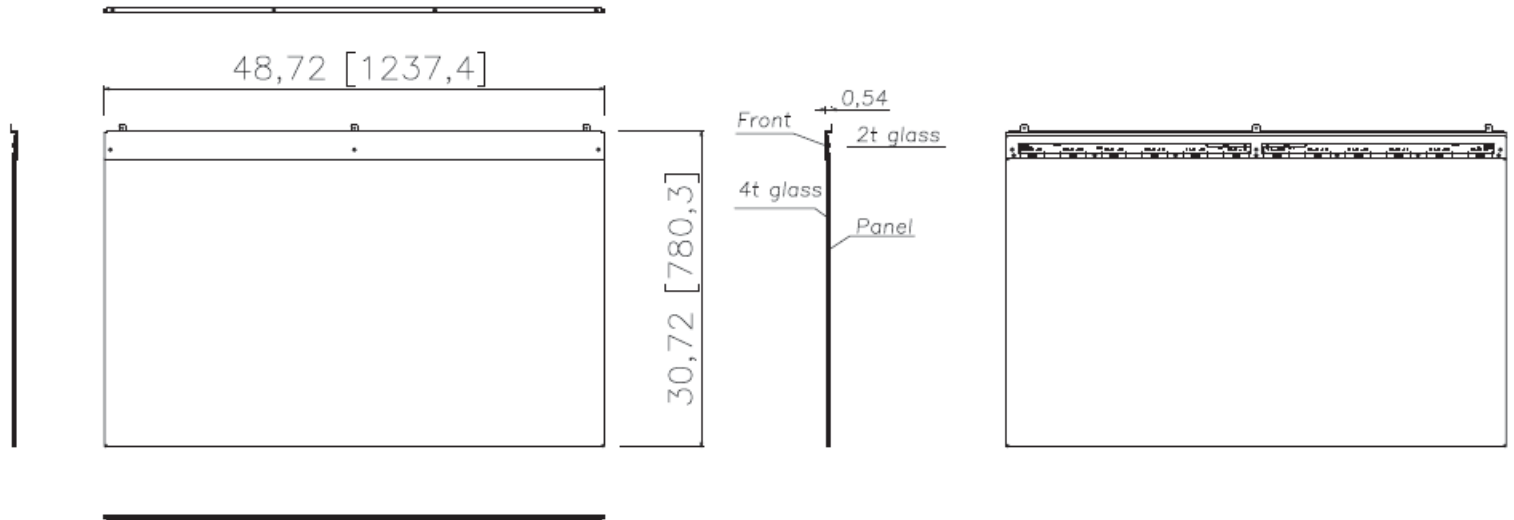
1. 40cm FFPC Cable (standard/default)
2. 1m MCX Cable (optional)
3. 3m MCX Cable (optional)

Designers should select the cable which best matches the run distance from the E-Box to the T-OLED in their setup to ensure the cleanest cable management.

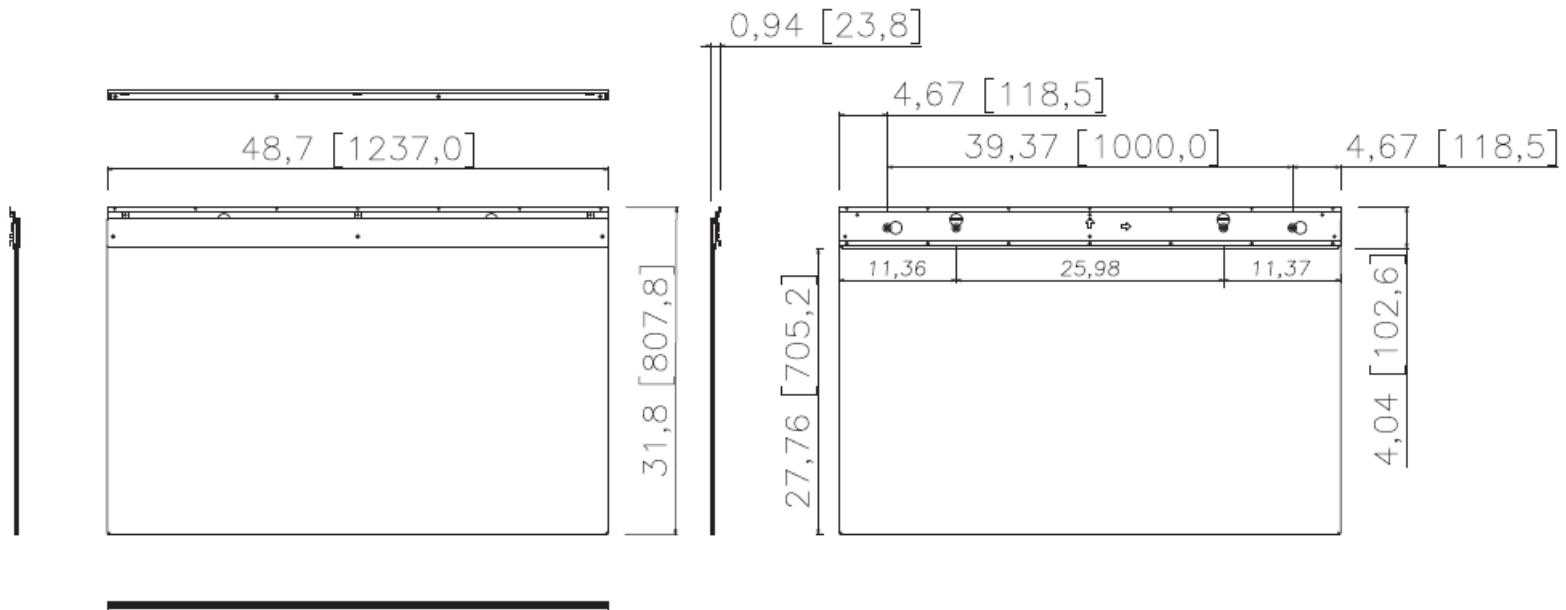
E-Boxes may also be customized according to available space.

Drawings

Front/ Rear: Optically-bonded 4T Glass Front, 2T Glass Rear, bonded Bracket for ceiling hanging, Bracket for post-cabling cosmetic cover.

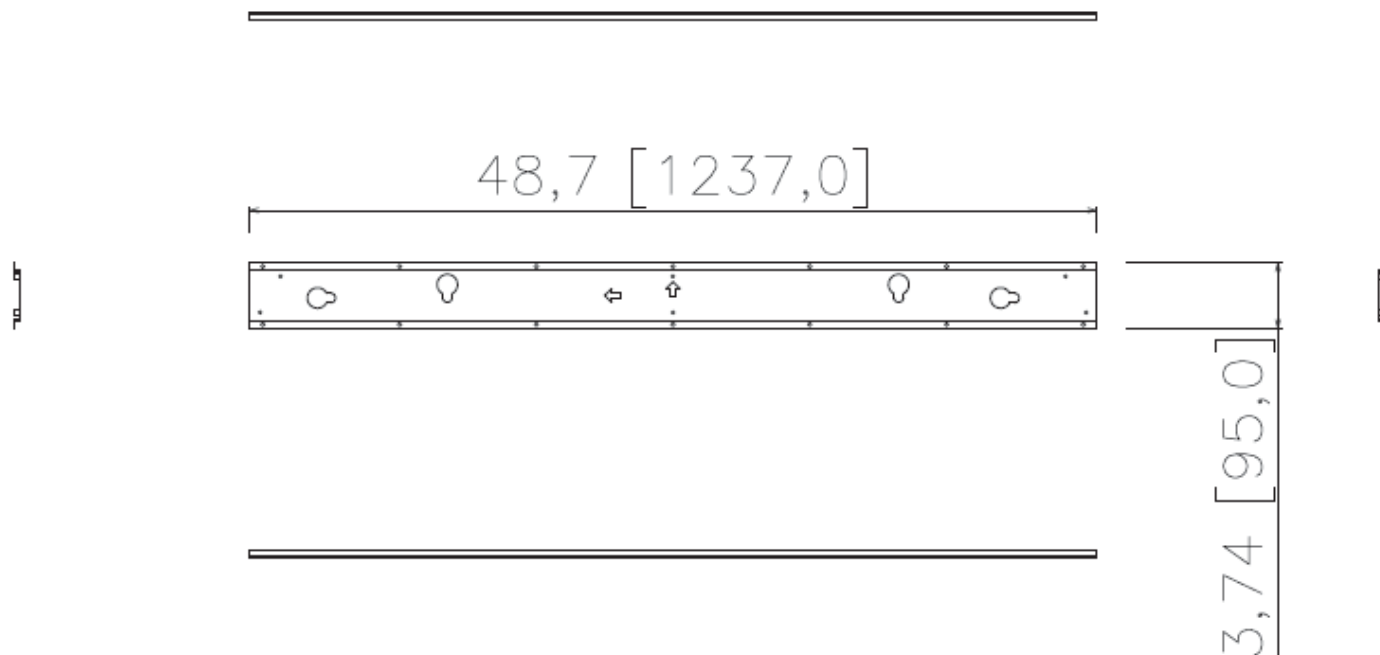


With Bracket



Drawings

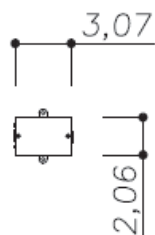
WB-55BTS: Wall Bracket for TEB55BTS



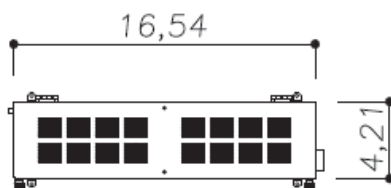
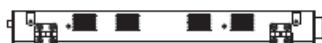
EB55BTS-ES

Deconstructed E-Box Design: The main E-Box (AD board, T-Con board, FFPC or MCX cables) is separated from the power supply typically contained within the E-Box. The power supply is positioned within a separate "P-BOX" and a separate box is created for the ip-control input "IP-BOX".

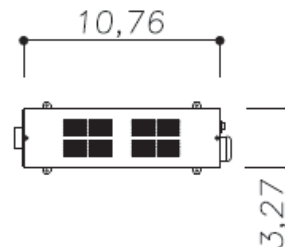
IP-BOX



E-BOX

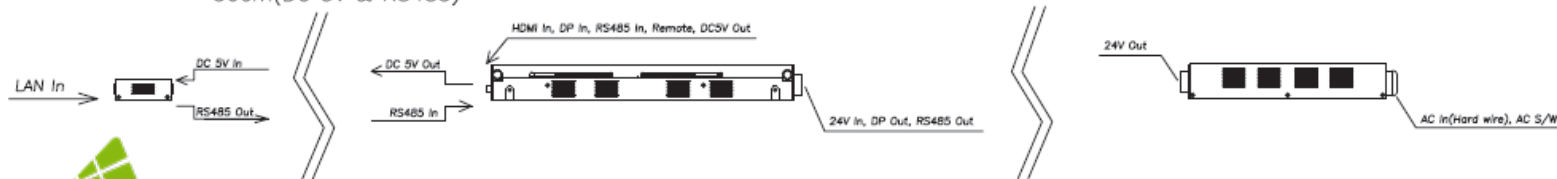


P-BOX



50cm(DC 5V & RS485)

6m(24V Cable)

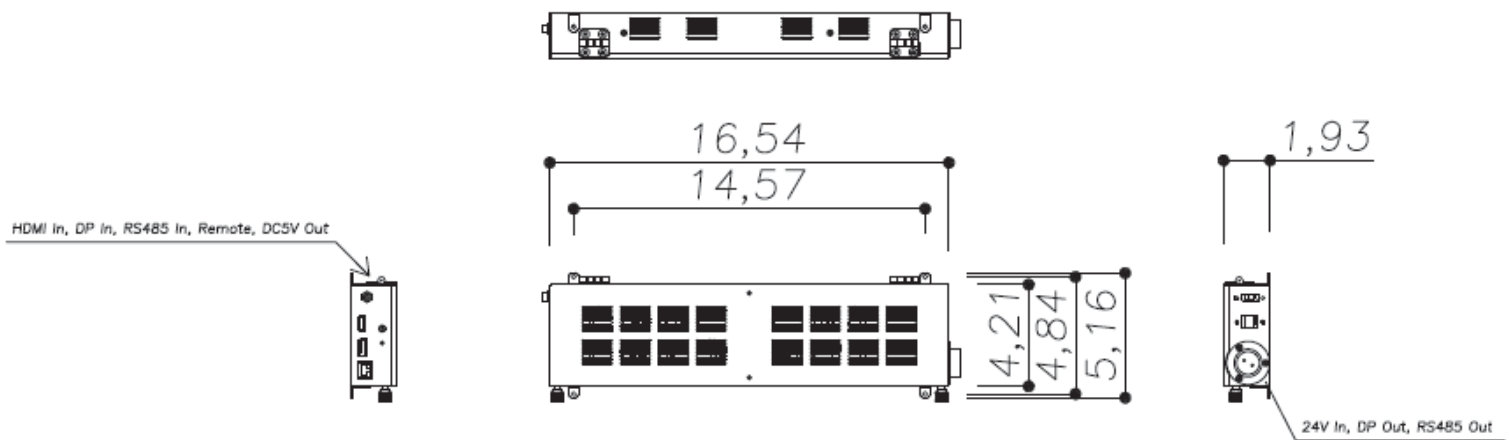


Product specification and design are subject to change without notice.

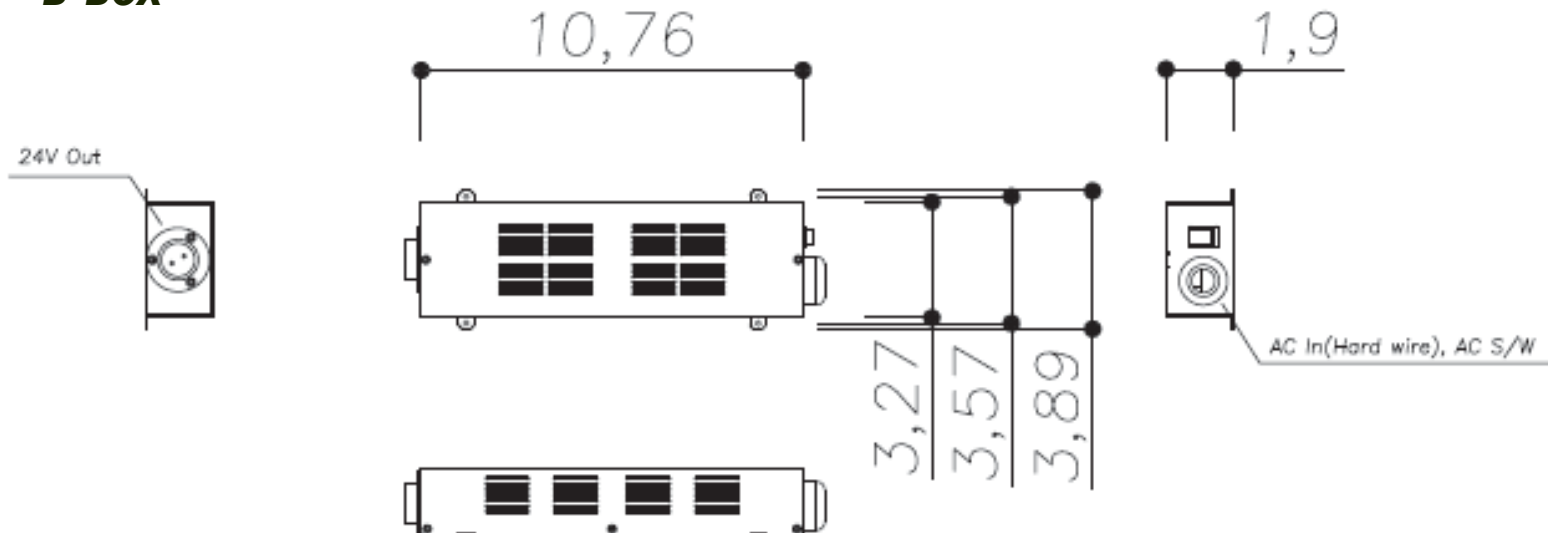
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Drawings

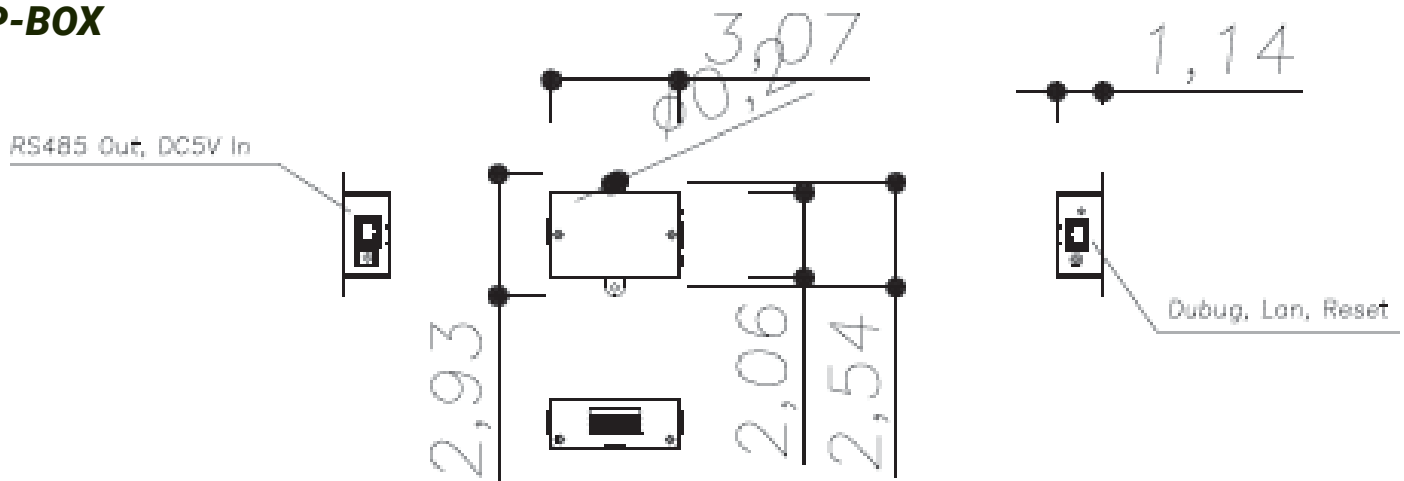
E-BOX



B-BOX



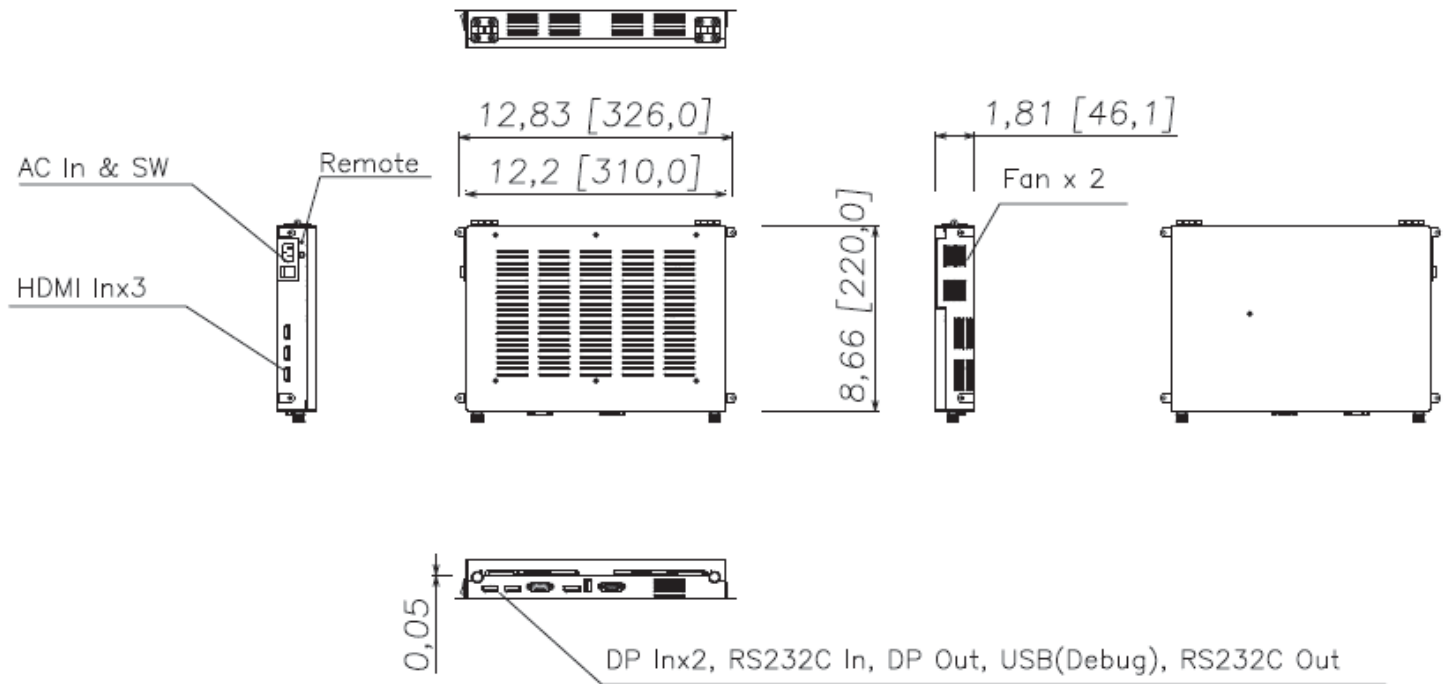
IP-BOX



Drawings

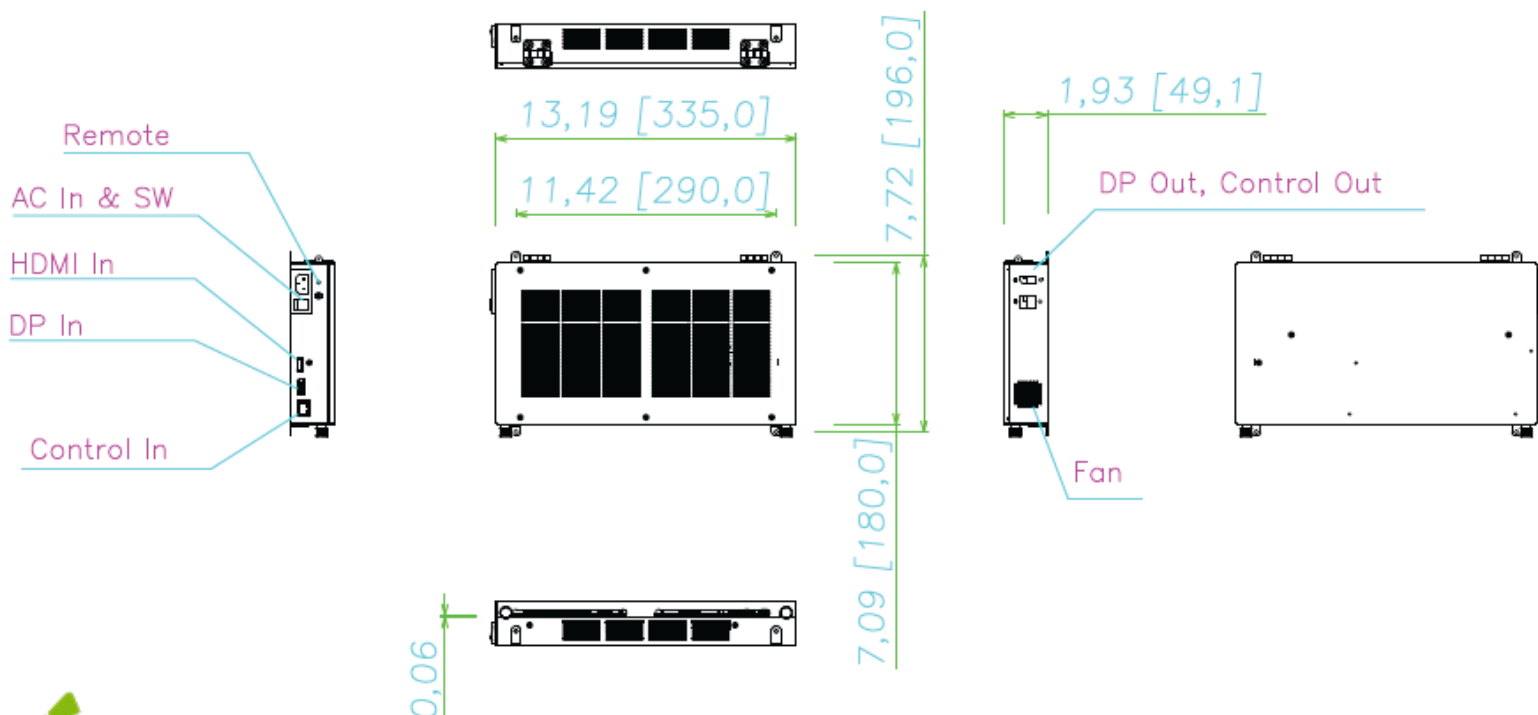
EB55BTS-BS

Basic Design E-Box: Includes T-CON Board, Power, AD Board, FFPC or MCX Cables



EB55BTS-SL

Slim Design E-Box: Includes T-CON Board, Power, AD Board, FFPC or MCX Cables

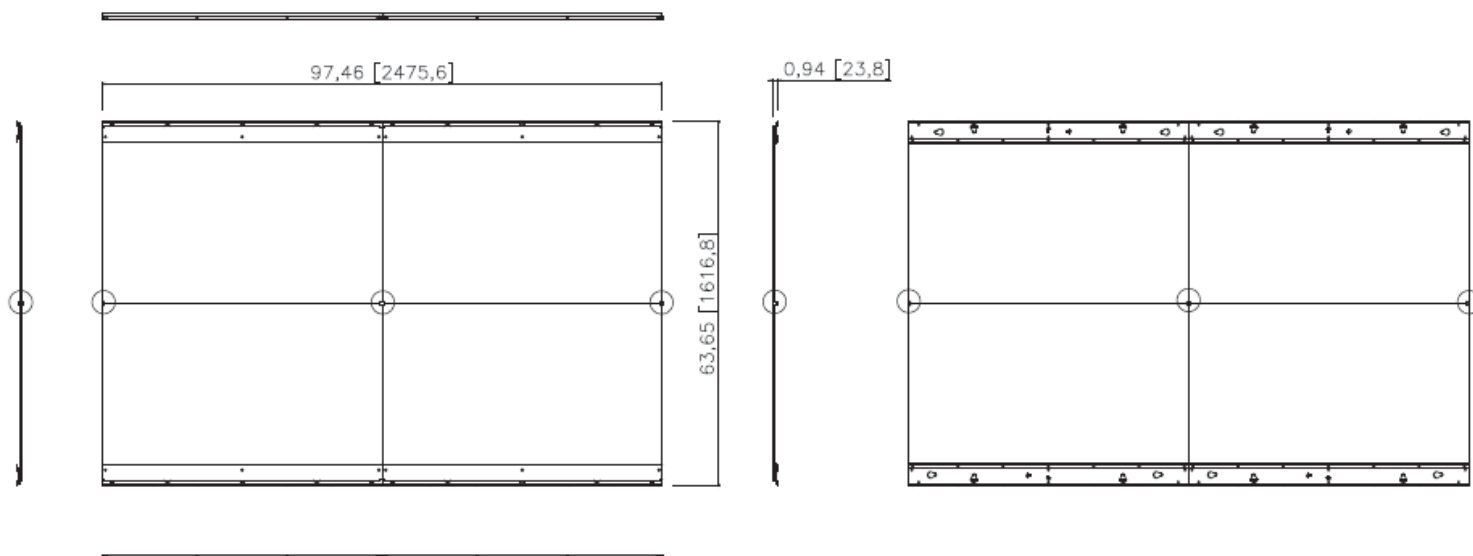


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Drawings

2x2 Configuration



Packing Details

One T-OLED open frame, one E-Box and one set of cables is included per box. Boxes ship atop a pallet as shown to the right.



Each pallet contains up to five boxes, as shown to the right.

