

86" Hololuminescent™ Display (HLD)

Detailed Specifications

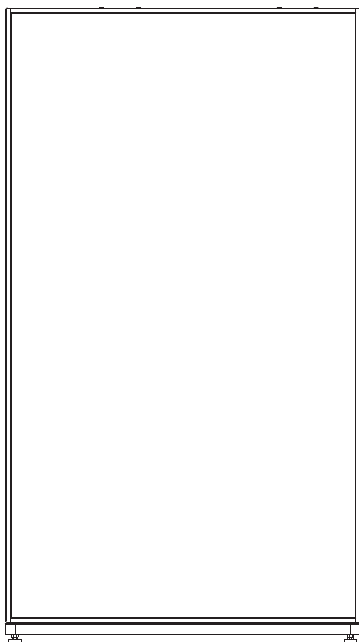


Detailed installation, setup
and safety manual (PDF)

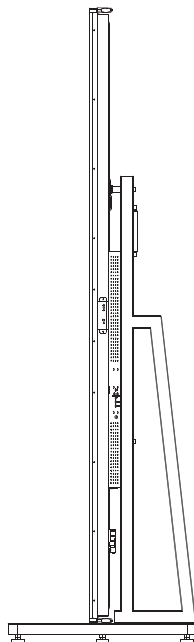


Guides for creating your own
content for the 86" HLD

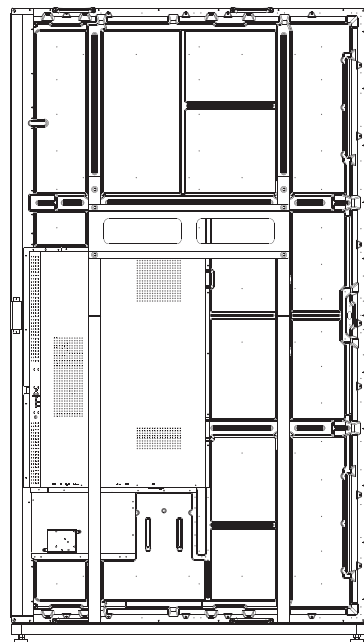
TECHNICAL DRAWING OVERVIEW



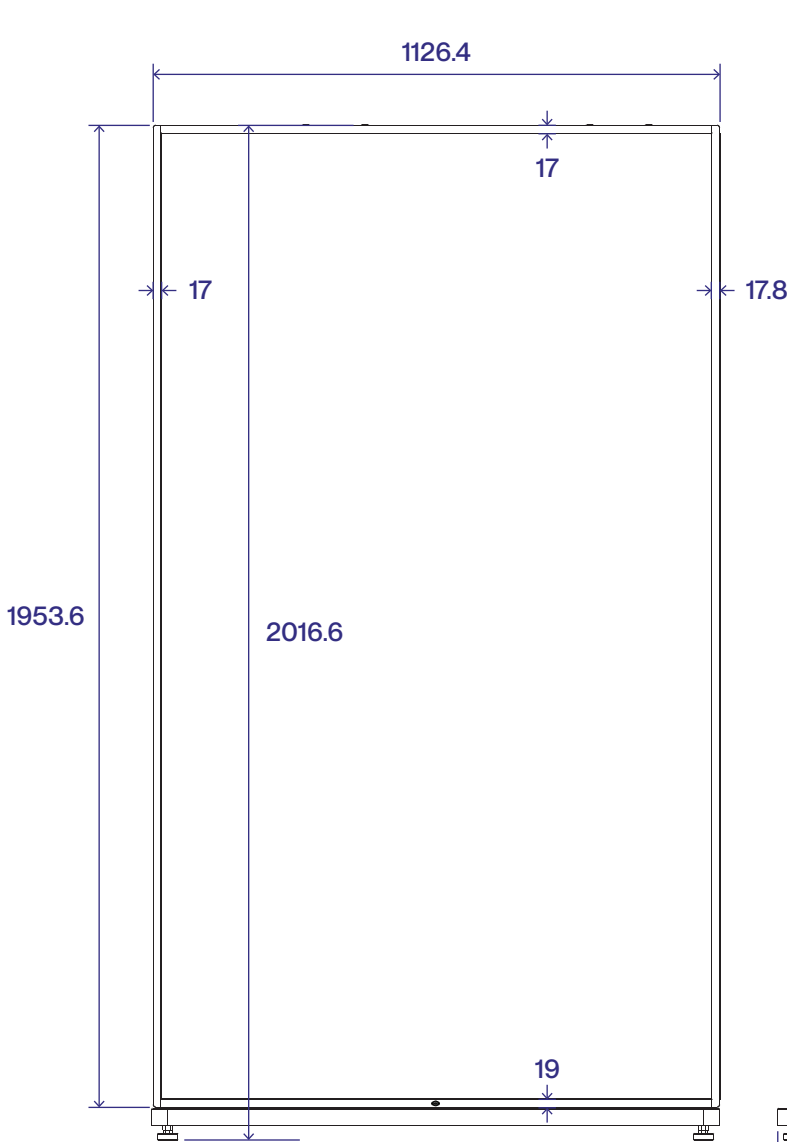
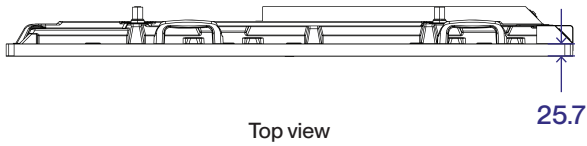
Front view



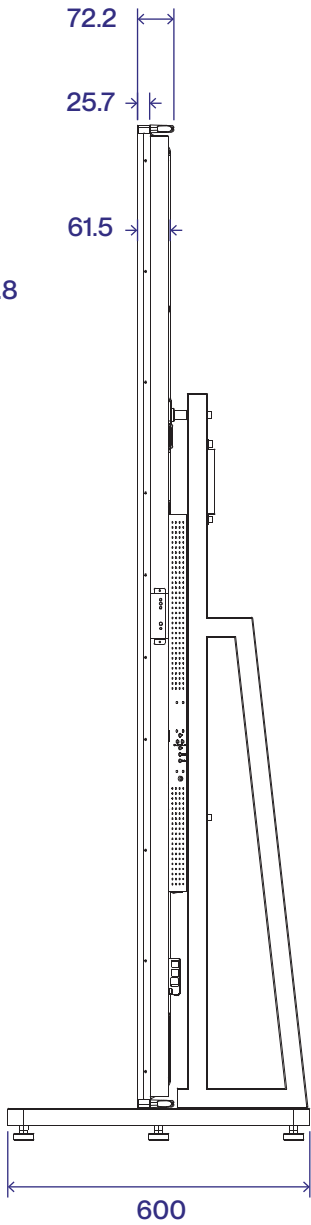
Side view



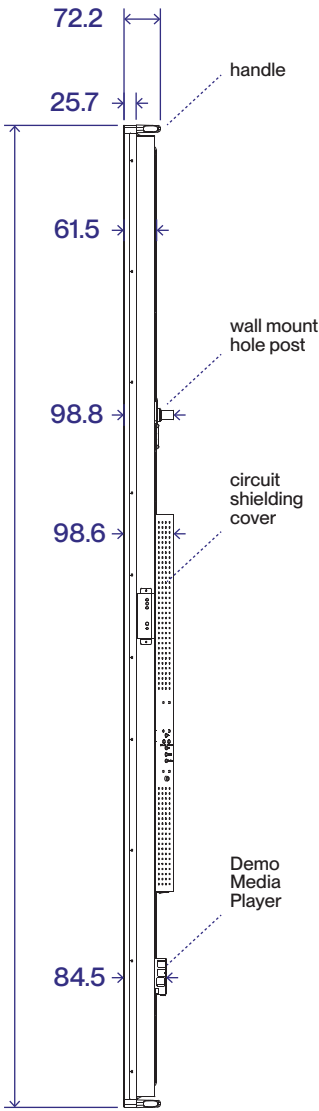
Back view



Front view

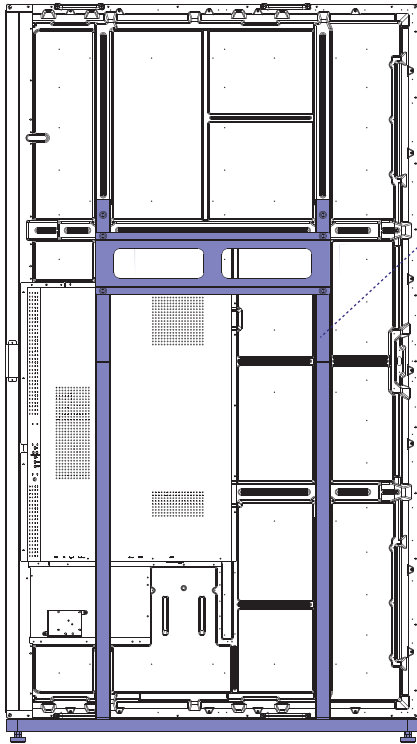


Side view with stand

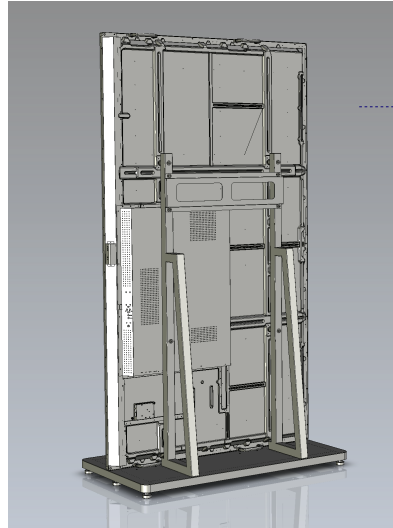


Side view without stand

Dimensions indicated in mm



Back view with stand

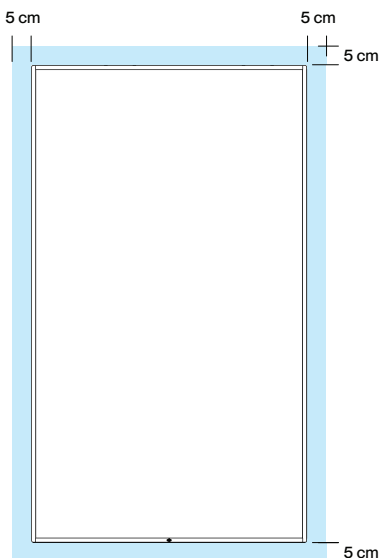


CAD file of the
86 HLD chassis (.stp)

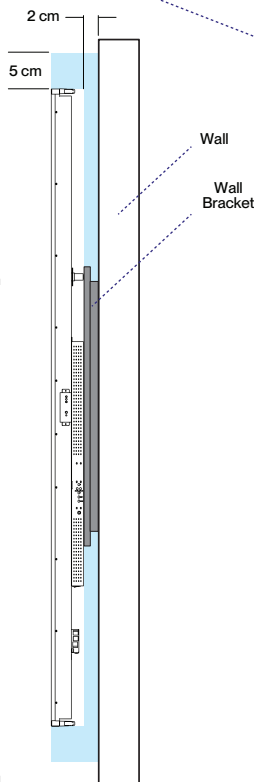
WALL MOUNTING

This area contains the audio and ventilation outlets.
Do not cover the perforated surface.

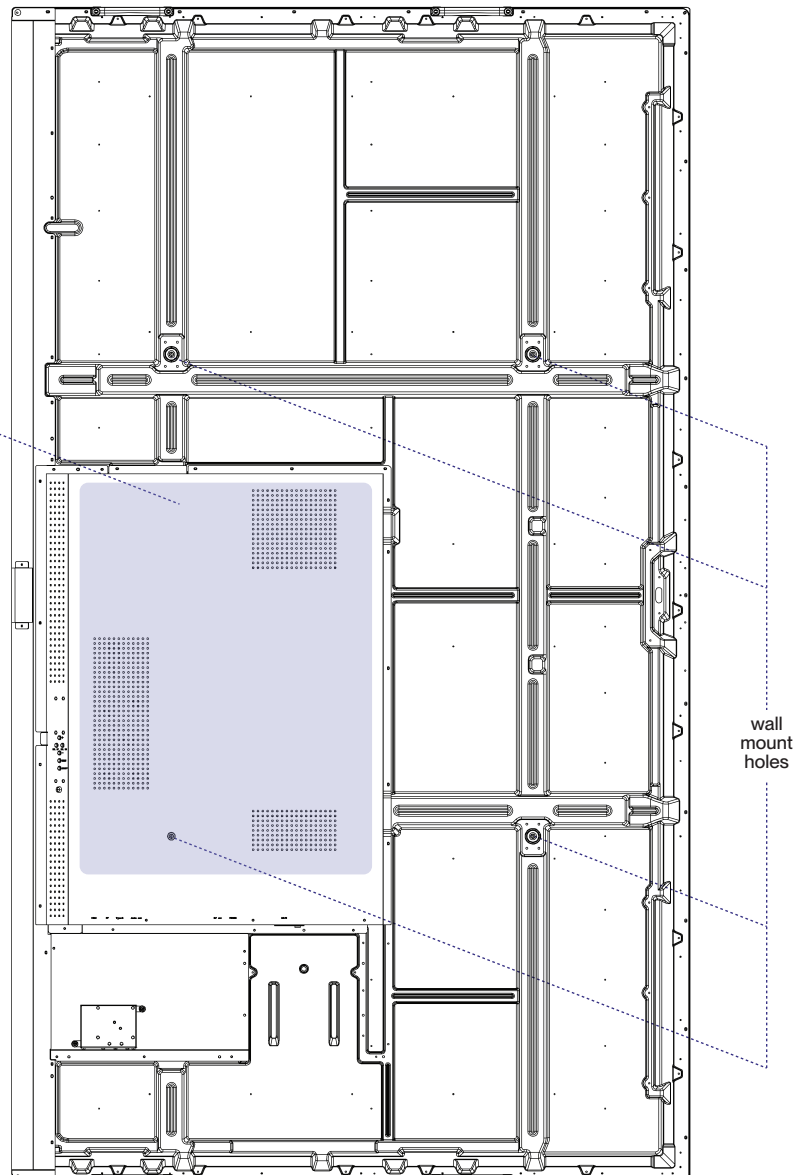
Maintain air flow clearances - the distances
shown below between the 86 HLD and
other objects (walls, cabinet sides, etc.) to
ensure proper airflow for ventilation



Front View



Side View



Back view without stand



PRODUCT OVERVIEW

Screen Diagonal	86"
Technology	Hololuminescent™ Display (HLD)
Display Type	TFT-LCD
Use Cases	Digital signage, retail installations, experiential displays
Orientation	Portrait

DISPLAY SPECIFICATIONS

Resolution	2160 × 3840 px
Brightness	500 nits
Contrast Ratio	1200:1
Refresh Rate	60 Hz
Response Time	8 ms
Viewing Angle	178° horizontal / 178° vertical
Color Depth	8-bit + FRC (1.07B colors)
LED Lifetime	Minimum 30,000 hours

SPATIAL 3D PERFORMANCE

Viewing Mode	Group-viewable, no tracking camera or headset required
Default Virtual Depth	~ 60cm, matching physical depth of standard "hologram boxes"
Maximum Virtual Depth	Over 1m (custom hologram configuration)

ENVIRONMENTAL & POWER

Operating Power	~ 420W
Operating Temperature	10°C to 50°C
Operating Humidity	20% – 80%
Power Input	100 – 240V AC, 50 / 60Hz
Standby Power	< 1W

CERTIFICATIONS

CE Certificate	Yes
FCC Certificate	Yes
RoHS Certificate	Yes

INTENDED USE / APPLICATION

To be used for digital signage and similar applications. Create impossible immersive experiences from standard video. A breakthrough display that creates a holographic stage delivering the magic of spatial presence in a razor-thin form factor.

Direct sunlight might increase the device temperature beyond the allowed storage and operation conditions. Therefore the devices must be protected against direct sunlight. Devices operated or stored outside the specified temperature ranges are not covered by warranty.

SYSTEM & I/O

Demo Media Player	Raspberry Pi 4
Video Inputs	HDMI 2.0, DisplayPort 1.2, USB-C (DP Alt Mode + Touch)
USB (Power for Demo Media Player)	USB-A (5V / 3A)
Audio	2 × 10W Built-in internal speakers
	3.5 mm Audio jack
Serial Port	3.5 mm RS-232 port

MECHANICAL & MOUNTING

Display Size (W × H × D)	1126 × 1954 × 62 mm (w/out stand)
	1126 × 2017 × 600 mm (with stand)
Weight of Display	54 kg
Weight of Stand	25 kg
Mounting Options	Free-standing with base or wall mount - VESA 600 × 800
Chassis	Aluminum

TOUCH SYSTEM

Touch Type	Infrared (IR), 10-point multi-touch
Glass Thickness	3.2 mm
Surface Treatment	Anti-glare
Impact Rating	IK08
Optical Bonding	Air bonding

IN THE BOX

1 × 86" HLD Display with IR touch
1 × Remote control
1 × Demo Media Player
1 × AC cable, 180 - 200 cm (EU/US/UK type optional)
1 × HDMI cable, 200 cm
1 × USB-C to USB-C cable, 200 cm
1 × Micro HDMI to HDMI cable, 15 cm
2 × USB-A to USB-C cable, 30 cm (Demo Media Player power & touch function)
1 × Floor stand and screws
1 × Installation and safety guide

PACKAGING

DISPLAY

Standard	Wooden crate included
Wooden Crate Size (W × H × D)	2100 × 358 × 1273 mm
Optional	Upgrade to reusable flight case (+US\$1,000)
Flight Case Size (W × H × D)	2027 × 1384 × 470 mm

FLOOR STAND

Packed In	A carton box
Box Size (W × H × D)	1530 × 230 × 710 mm

