

Ultra HD Interactive Digital Board - 86TR3D

Easy and Reliable Touch Performance



With its UHD picture quality and large 86" touch screen, the 86TR3D creates an interactive experience in meeting rooms, classrooms and other collaborative settings. In-Glass™ Touch technology helps enable a natural on-screen writing experience

Features

Excellent visibility with Ultra HD



Large 86" Screen with Ultra HD Resolution
With a large 86" screen, it can accommodate a wide view range for more viewers in the room. The UHD 86" screen provides vivid images, clear text and crisp video performance, providing a great user experience.



Wide Viewing Angle with IPS Panel

IPS technology provides a consistent viewing experience at a viewing angle of up to 180 degrees.



Multiple Screen



PBP (Picture by Picture) / PIP (Picture in Picture)

PBP/PIP enables two different content sources to be displayed in various layout settings including full screen, original ratio, and sub screen modes. This gives users the flexibility to customize their screen spaces based on sources and preferences.



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Screen Size

86"

86TR3D

- Brightness: 410 cd/m²
- Touch Type: InGlass™
- Touch Point: Max. 20 points
- Interface: HDMI (3), DP, DVI, RGB, RS232C, RJ45, USB (2), OPS USB, Touch USB (2), Wi-fi Built-in

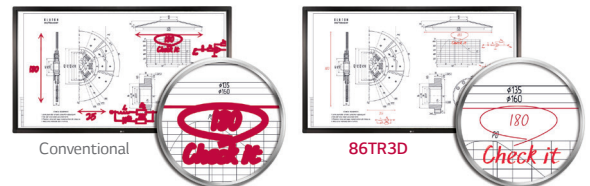


Features

Outstanding Touch Performance

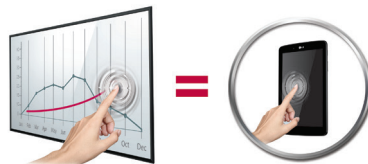
Small Object Touch

Compared to legacy LG touch signage, the 86TR3D provides a better, more detailed touch experience (minimum radius: 3mm). Additionally, users can write in small-sized letters, check small icons on screen and have a natural writing experience.



Intuitive Touch

InGlass™ touch performance is similar to that of mobile devices, providing users with a familiar feeling when they touch the screen, enabling them to comfortably and accurately use the touch screen.



20 Point Multi-Touch

The 86TR3D can recognize up to 20 points* of simultaneous touch, without the need for a separate pen or stylus.



* Touch points can vary depending on the connection environment.

Enhanced User Experience

Auto Signal Switching

With its auto signal switching function*, the display can detect input/touch signals and automatically change the source if the new input has a higher priority than the previous source*. Users can save time by setting up the signals before a meeting or presentation.



* Auto signal switching from priority 2 to priority 1 when priority 1 signal is ON

Easy Touch OSD on Display

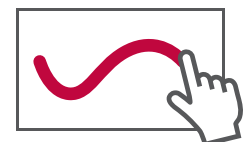
Users can transition into desired modes and settings by a simple touch on OSD. Users can create shortcuts for inputting their preferences.



Embedded SuperSign IDB

webOS-based SuperSign IDB* enables users to write on the screen without an additional writing solution and media player (PC). The Writing/Drawing function works not only on the basic white background, but also on files opened as png images. The quality of the presentation or lecture is improved simply with LG's embedded software.

* SuperSign IDB: The name of collaboration and writing software for the Interactive Digital Board (First launching in November 2017)



User-Friendly Configuration

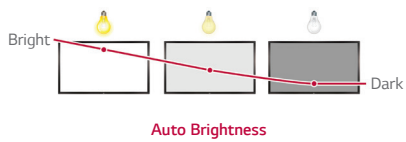
The interfaces are arranged with total focus on user convenience. The side hot key located on the left-hand side allows quick and easy operation of various functions. With the side connectors, the display detects connected devices first (Auto Signal Switching), enhancing usability and connectivity. Two touch pens are placed on either side of the display for easy use and storage. Two 10-W speakers are built in to the front of the screen at each side for a more immersive audio experience without separate speakers.



Brightness Support

Auto Brightness Sensor

Brightness is automatically adjusted according to ambient light of the surroundings.



Reader Mode

Reader mode decreases blue light - which causes eye strain - by 70%, which can improve the comfort of those who are viewing the screen for extended periods.



Anti-Glare Coating

The anti-glare Coating on the screen reduces reflection for better visibility.

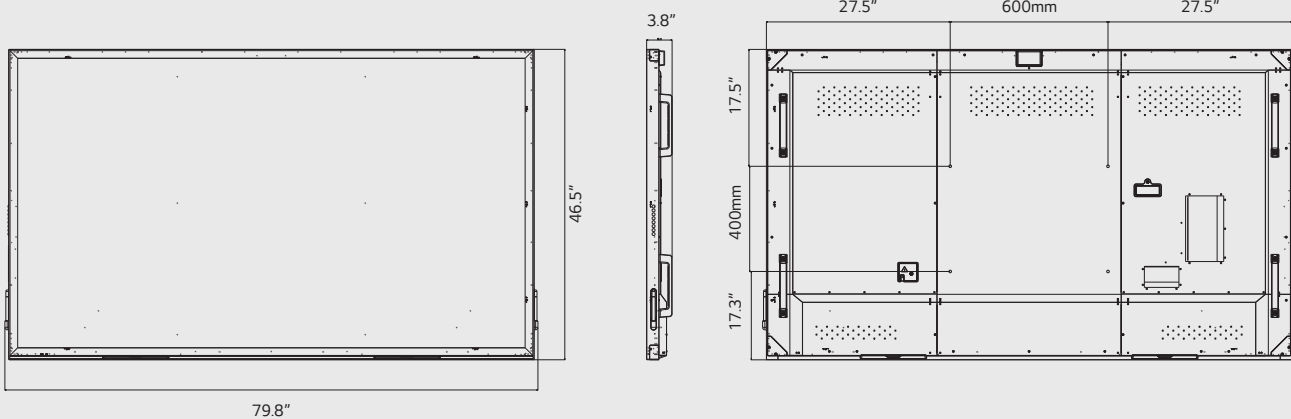


Dimension

86"

79.8" x 46.5" x 3.8" /

204.4 lbs



Specifications

		86TR3D
PANEL	Screen Size	86"
	Panel Technology	IPS
	Aspect Ratio	16 : 9
	Brightness	410 cd/m ² *
	Viewing Angle (H x V)	178 x 178
	Response Time	8ms (G to G)
	Surface Treatment	Low Haze 3%
CONNECTIVITY	Input	HDMI (3), DP, DVI-D, RGB, Audio in, USB 3.0, USB 2.0, OPS USB 2.0
	Output	Touch USB 2.0 (2)
	External Control	RS232C, RJ45
PHYSICAL SPECIFICATION	Bezel Color	Black
	Bezel Width	50.7 mm (T/L/R), 62.2 mm (B)
	Monitor Dimension (W x H x D)	79.8" x 46.5" x 3.8"
	Weight (Head)	204.5 lbs
	Carton Dimensions (W x H x D)	86.2" x 57.9" x 14.6"
	Packed Weight	267.2 lbs
	Handle	Yes
VESA™ Standard Mount Interface	600 x 400 mm	
SPECIAL FEATURES	Temperature Sensor, Auto Brightness Sensor, ISM method, DPM Select, Brightness Control, PM Mode, Reader Mode, Crestron SDK, Wake on LAN, Energy Saving, File Play with USB, 2 PIP/PBP, Internal Memory (64GB), Wi-Fi (802.11n Combo built-in), USB Cloning, Failover, No Signal Image, Mirroring, Soft AP, BEACON	
ENVIRONMENT CONDITIONS	Operation Temperature Range	32° F to 104° F
	Operation Humidity Range	10% to 80%
POWER	Power Supply	100-240V~, 50/60Hz
	Power Type	Built-In Power
	Power Consumption	Typ. Under 330 W Smart Energy Saving Under 200 W
STANDARD (CERTIFICATION)	Safety	UL / cUL / CB / TUV / KC
	EMC	FCC Class "A" / CE / KCC
	ErP / Energy Star	NA
MEDIA PLAYER COMPATIBILITY	OPS Type Compatible	Yes
	External Media Player Attachable	No
SOFTWARE COMPATIBILITY	Content Management Software	SuperSign Premium
	Control and Monitoring Software	SuperSign Link
EMBEDDED COLLABORATION AND WRITING SOFTWARE	SuperSign IDB	
ACCESSORY	Basic	Remote Controller (include battery 2ea), Power Cord, QSG, HDMI (3M), Regulation Book, Phone to RS232C Gender, Touch Pen (2ea), Eyebolt (2ea)
	Optional	OPS Kit (KT-OPSA), LSW640A/B (Wall Mount)
TOUCH SPECIFICATIONS	Touch type	InGlass™***
	Available object size for touch	more than Ø 3 mm
	Accuracy	2 mm + 0.2 mm
	Interface	USB 2.0
	Protection Glass Thickness	4T (Anti-Glare)
	Multi touch point	Max 20 Point

* With Protection Glass: 350cd/m²

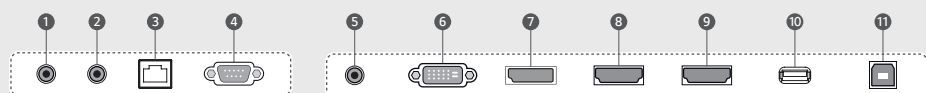
** Applied FlatFlog's InGlass™ Technology.

Connectivity

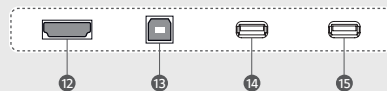
- ❶ RS232C out
- ❷ RS232C in
- ❸ LAN
- ❹ RGB in
- ❺ Audio in
- ❻ DVI-D in
- ❼ DP in
- ❽ HDMI 1
- ❾ HDMI 2
- ❿ USB 3.0
- ⓫ Touch USB
- ⓬ HDMI 3
- ⓭ Touch USB
- ⓮ OPS USB (2.0)
- ⓯ USB 2.0



REAR



SIDE



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