Dimension (unit : mm)

84"
1,951 x 1,137 x 112 /
104kg
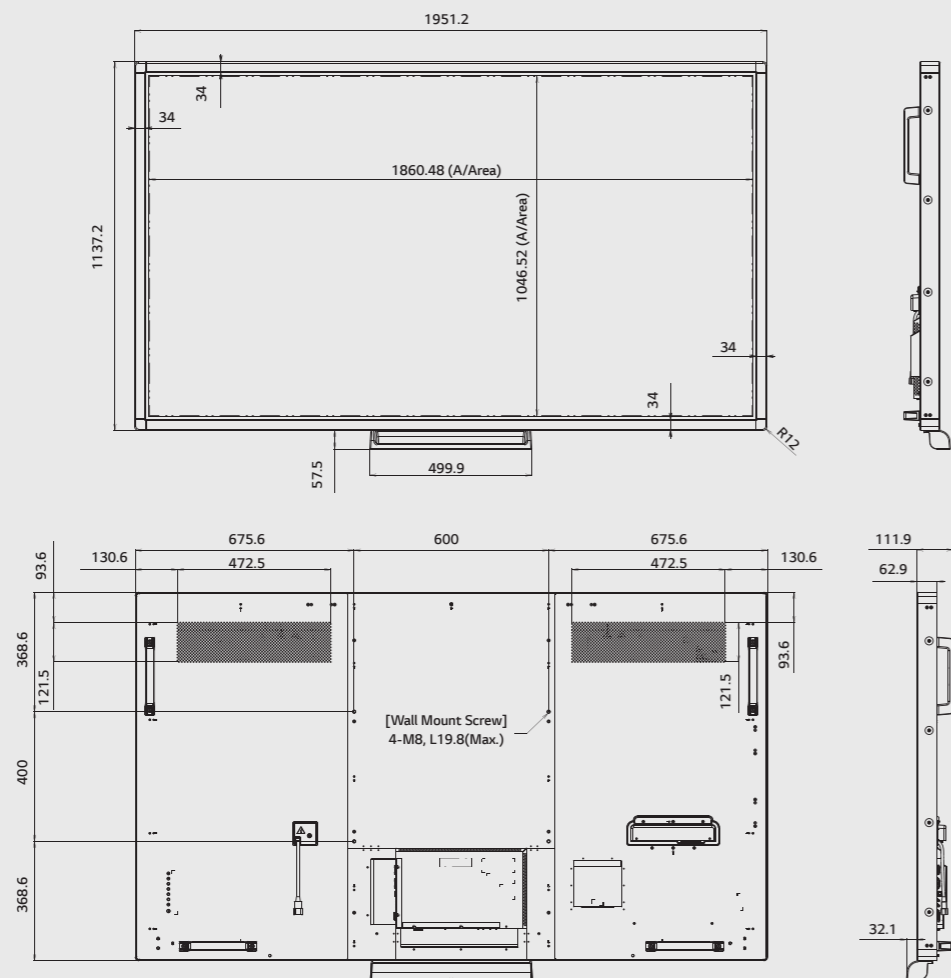
1951.2

34
34

1860.48 (A/Area)

1137.2

1046.52 (A/Area)

34

34

R12

57.5

499.9

111.9

62.9

93.6

130.6

675.6

472.5

600

675.6

472.5

130.6

368.6

121.5

121.5

93.6

[Wall Mount Screw]
4-M8, L19.8(Max.)

400

368.6

32.1

Connectivity

❶ RS-232C IN
❷ RS-232C OUT
❸ LAN
❹ VIDEO IN
❺ AUDIO IN
❻ DVI-D IN
❼ DP IN
❽ PENTRAY CONTROL
❾ HDMI (HDCP2.2)

❿ HDMI (10Bit)
⓫ AUDIO IN
⓬ USB1
⓭ USB2
⓮ USB3
⓯ IR & LIGHT SENSOR
⓰ AUDIO OUT
⓱ SPEAKER OUT
⓲ TOUCH USB

❶ ❷ ❸ ❹ ❺ ❻

❼ ❽ ❾ ❿ ⓫ ⓬ ⓭ ⓮ ⓯ ⓰ ⓱   ⓲

HDMI
HIGH-DEFINITION MULTIMEDIA INTERFACE
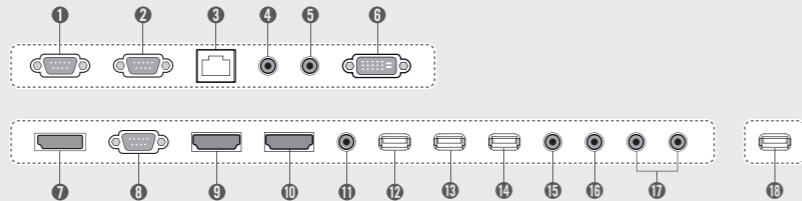
Interactive Screen with Ultra HD Picture Quality
Ultra HD Large Multi-Touch Display 84TR3B

With its ultra HD picture quality and 84" large screen, the 84TR3B attracts audiences' attention in any environments, such as a classroom or a meeting room. The superior interactivity provided by its IR spread technology is an effective tool for facilitating audiences' participation. In addition, the 5mm protection glass and centralized control brings efficiency and peace of mind to IT managers.

Features

Ultra HD Large Screen

ULTRA HD

LARGE SCREEN

Ultra HD Resolution (3,840 x 2,160)
Ultra HD Large screen delivers immersive viewing experience.

FULL HD
1,920 X 1,080

Ultra HD
3,840 X 2,160

4K Upscaler
Up-scaling and Super Resolution technology enhance the quality of FHD content to near UHD quality.

Source
FHD (1,920 X 1,080)

Up-Scaling
UHD (3,840 X 2,160)

Super Resolution
UHD (3,840 X 2,160)
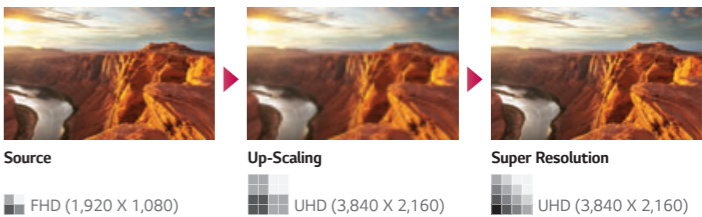
84" Large Screen
Its large screen with wide viewing angles is effective in learning environments as the audience can view in any position without any problems.
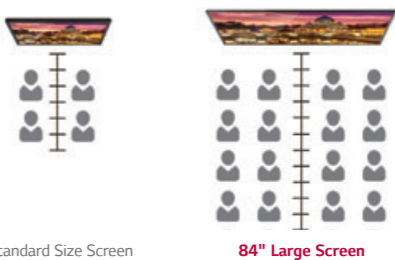
Standard Size Screen

84" Large Screen

Interactive Screen with Ultra HD Picture Quality

Ultra HD Large Multi-Touch Display 84TR3B

Screen Size
84"

84TR3B
- Brightness : 350cd/m^2
  (300cd/m^2 with Protection Glass)
- Bezel : 34mm (Top / Left / Right / Bottom)
- Depth : 112mm
- Interface : HDMI / DP / DVI-D / Audio / RS232C / RJ45 / IR /
  Light Sensor / Pentray Control / USB

What can we do for Green Earth?
The Cause of The Global Environmental Pollution?

IPS 4K   ULTRA HD   LARGE SCREEN   SuperSign C   webOS   10 Points

Features

### Highly Reliable Touch Experience

5mm Protection Glass
For educational environment where external impacts on screens can occur, the durability of 84TR3B is improved with 5mm protection glass.

5mm

Conventional   **84TR3B**

Built-in Touch
The touch overlay seamlessly attaches to the screen, creating no gap for dust to enter and cause a malfunction.

Overlay Touch   **Built-in Touch**
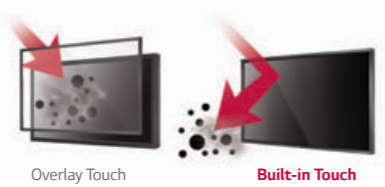
Superior Interactive Experience

Ghost-Free Touch
LG's proprietary touch technology allows you to draw clean and accurate diagonal lines using multi-touch function.

Competitor Ghosting   **LG Ghost-free**
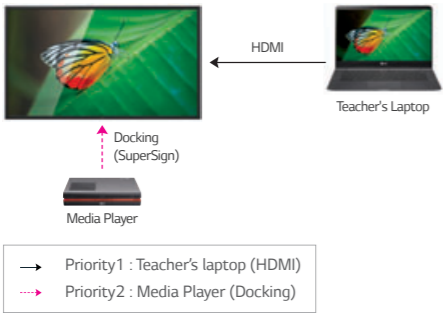
10 Point Multi-Touch
It provides a more realistic sense of touch since it can recognize up to 10 simultaneous touches at once with no need for a separate pen.

### Ease of Use

Auto Signal Switching
With its auto signal switching function, the monitor can detect input signals and automatically change the input source if the input has a higher priority than the previous source.

HDMI

Teacher's Laptop
Docking (SuperSign)
Media Player

→ Priority1 : Teacher's laptop (HDMI)
┄➤ Priority2 : Media Player (Docking)

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

SuperSign™ C
The SuperSign™ C software allows you to monitor and control displays remotely through a network or serial connection.

SuperSign C — Network
Class Room A
Class Room B
Class Room C
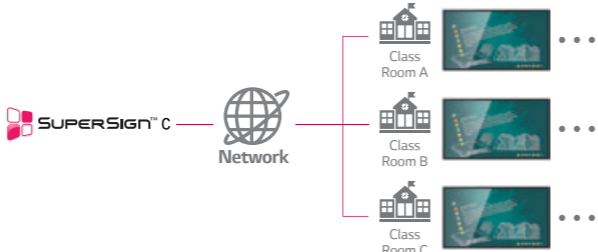
* Benefits of the Technology
1) Reducing management cost and power consumption by remote power on/off control.
2) Minimizing interruption during class by real time monitoring and remote management for display and media players.

Specifications

		84TR3B
PANEL	Screen Size	84"
	Panel Technology	IPS
	Aspect Ratio	16 : 9
	Native Resolution	3,840 x 2,160 (UHD)
	Brightness	350cd/m^2 (Typ), 300cd/m^2 with Protection Glass
	Contrast Ratio	500,000:1
	Viewing Angle (H x V)	178 x 178
	Surface Treatment	Anti-glare Haze 10%
	Orientation	Landscape
CONNECTIVITY	Input	HDMI(2), DP(1), DVI-D(1)(w/o HDCP), Componet AV(1), Audio(1), USB 3.0(1), USB 2.0(2)
	Output	Audio(1), External Speaker(1)
	External Control	RS232C(1), RJ45(1), IR/Light Sensor(1), Pentray Control(1)
PHYSICAL SPECIFICATION	Bezel Color	Black
	Bezel Width	34.0mm
	Monitor Dimension (W x H x D)	1,951 x 1,137 x 112mm
	Weight (Head)	104kg
	Carton Dimensions (W x H x D)	2,050 x 1,261 x 330mm
	Packed Weight	119.1kg
	VESA™ Standard Mount Interface	600 x 400mm, M8
SPECIAL FEATURES		Temperature Sensor, Auto Brightness Sensor, Auto Power/Source Memory, Key Lock, DPM Select, File Play with USB, Internal Memory(8GB), Wi-Fi Dongle Ready
ENVIRONMENT CONDITIONS	Operation Temperature Range	0℃ to 40℃
	Operation Humidity Range	10% to 80%
POWER	Power Supply	100-240V~, 50/60Hz
	Power Type	Built-In Power
	Power Consumption — Typ./Max	400W
	Power Consumption — Smart Enegy Saving	30%±5%
STANDARD (CERTIFICATION)	Safety	UL / cUL / CB / TUV / KC
	EMC	FCC Class "A" / CE / KCC
	ErP / Energy Star	NA
MEDIA PLAYER COMPATIBILITY	Slot PC compatible (optional)	Yes (MP500, MP700)
	External Media Player Attatchable	No
SOFTWARE COMPATIBILITY	SuperSign W/Lite	No
	SuperSign C	Yes
	Interactive White Board S/W	Yes
ACCESSORY	Accessory	Power Cord, Remote Controller(2ea batteries included), IR/Light Sensor Receiver, USB 2.0 Cable, HDMI 2.0 Cable Display Port Cable, Cable Tie(2ea), Touch Pen(2ea), Pen Tray(1ea), Eye-Bolt Assy(2ea), Screw Package, ESG
	Optional Accessory	Media Player : MP700/MP500, External Speaker : SP-2100

Touch Specifications

TOUCH TYPE	IR(Infrared Rays) Spread
AVAILABLE OBJECT SIZE FOR TOUCH	Ø6mm
SCAN TIME	10ms
ACCURACY	1mm
INTERFACE	USB 2.0
POWER	4W
PROTECTION GLASS THICKNESS	5T (Anti-Glare)
PROTECTION GLASS TRANSMISSION	85% (Typ.)
OPERATING SYSTME SUPPORT	Windows 7, Windows 8, Windows 8.1 (10 Point)
MULTI TOUCH POINT	Max 10 Point
TOUCH RESOLUTION	1,840 x 1,050

LG Interactive White Board Software

OS	Windows XP / Vista / 7
DRAWING	Pen / Brush / Spray / Eraser / Shape
EDIT	Copy / Paste / Clone / Undo / Redo
DATA FORMAT	Intrinsic / PDF / JPG
MEDIA	Image, Audio, Video
APP LINKAGE	PowerPoint, Excel, Word, Internet Explorer
E-MAIL	Share writing/drawing data via e-mail
SCREEN SPLIT	2 horizontal Screens
USAGE CONVENIENCE	Preview / Navigation / Screen Lock
CAPTURE	Full / Window / Automatic Copy & Paste
RECORDING	Full / Window / Rectangle
ZOOM	In / Out (100% ~ 400%)
WRITING SPACE RESIZE	Resize From 1,920 x 1,080 to 3,840 x 2,160