True Interactivity for The Most Collaborative Meeting

In complex, collaborative writing environments such as meeting rooms and classrooms, the 86TN3F is the ideal solution. The In-Cell Touch and Active Pen, which incorporate state-of-the-art touch technology, provide an unrivaled cursive writing experience. In addition, you can easily connect anytime, anywhere with virtually any device, so that you can hold smart meetings and collaborations.

Natural Cursive Writing Experience

Collaboration & Connectivity

User Friendly Experience

Superior Picture Quality

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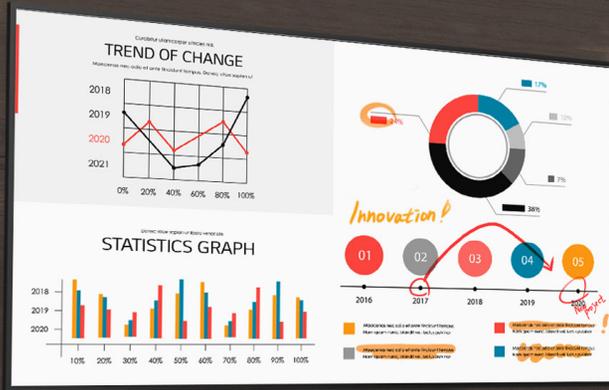
In-Cell Touch

The In-Cell Touch technology of the TN3F provides advantages in writing performance and visibility, delivering a high-quality user experience with its slim design and outstanding writing performance.

Active Pen

Use TN3F's Active Pen to write in a more natural and detailed way. The Active Pen is pressure sensitive, so strokes can be thick or thin, and the user's handwriting can be perfectly reproduced on the screen.

Data Mirroring

TN3F's data mirroring technology enables two-way writing and sharing in real time to remotely share annotations and facilitate collaboration in meetings in any space, anytime and anywhere.

Screen & File Sharing

TN3F's screen sharing provides the content-sharing function with laptops or various mobile devices, enabling more efficient and immersive meetings. Using the IDB DUO App, files can be directly shared between the Interactive Digital Board and the client devices, so you can carry out smarter meetings.

Interactive UX-UI
(New Interactive Display App)

The new Interactive Display Application features an intuitive user interface that includes a simple launcher menu, easy control center, and seamless tool bar.

All-in One

The TN3F integrates both webOS and IDB* apps into a high-performance System on Chip (SoC) that allows functionality without the need to connect a laptop. The IDB mode can be instantly started with just one touch.

USB-C Type Ready

The TN3F provides video, audio, and power all in one, making it quick and easy to connect to other devices for smarter meetings. It also supports USB Type-C connectors that can more efficiently replace other connectors, such as USB-B, USB-A and HDMI.
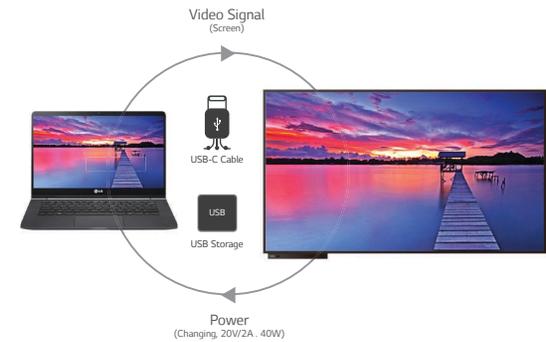
True Color, Immersive View

The TN3F is large enough to display content and catch the attention of various meeting participants. The IPS panel clearly conveys content at extreme viewing angles, regardless of where participants are sitting. Each pixel of the IPS panel reproduces the actual image's color without any distortion.

Vivid Color Details with Ultra HD

Using UHD resolution will allow you to view details at a resolution that is four times higher than FHD, even while zoomed in. Documents, images, and videos are displayed without any distortion of image quality, which is especially important in a complex business environment.


1,080
1,920
FULL HD

2,160
3,840
ULTRA HD

HEVC DECODER

86TN3F

3.4" / 86.4mm
(D)‹With Handle›

1.9" / 49.2mm

4-M8 Tap (Max Depth:11mm)
(VESA)

600mm
(VESA)

400mm
(VESA)

(Off Bezel)

1.1" / 28.8mm

1.1" / 28.8mm
(Off Bezel)

74.6" / 1895mm
(Active Area)

1.1" / 28.8mm
(Off Bezel)

45.8" / 1164.1mm
(H)

44.2" / 1123.6mm

42" / 1066mm
(Active Area)

17.5"
/ 444mm

1.1" / 28.8mm
(Off Bezel)

76.9" / 1952.6mm
(H)

2.7" / 69mm
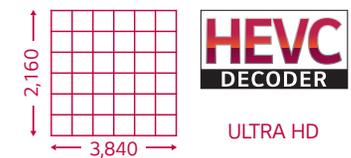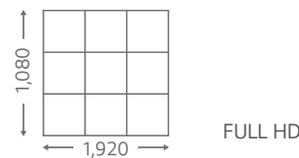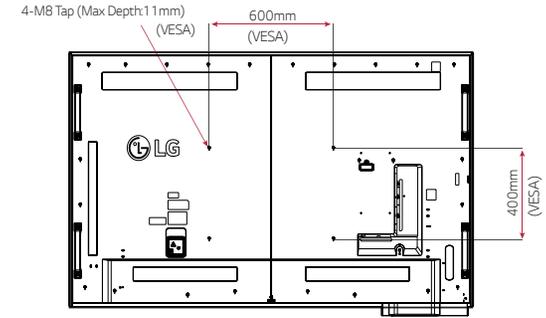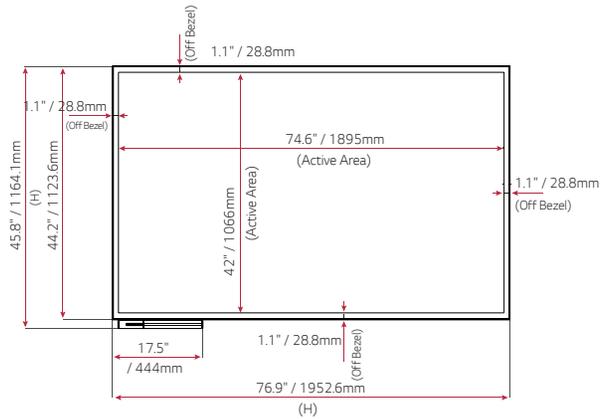
CONNECTIVITY

86TN3F

Back
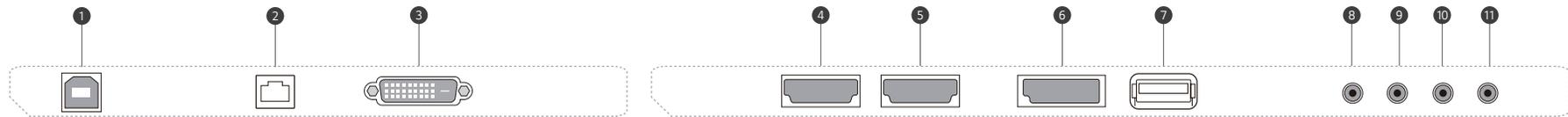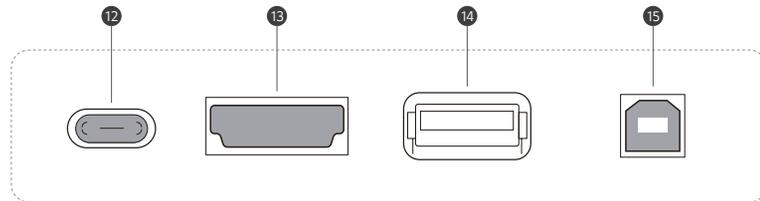
① ② ③   ④ ⑤ ⑥ ⑦   ⑧ ⑨ ⑩ ⑪

Front

⑫ ⑬ ⑭ ⑮

❶	TOUCH USB	❹	HDMI IN 1	❼	USB 2.0 IN	❿	AUDIO OUT	⓭	HDMI IN 3
❷	LAN	❺	HDMI IN 2	❽	RS-232C OUT	⓫	AUDIO IN	⓮	USB 2.0 IN
❸	DVI-D IN	❻	DP IN	❾	RS-232C IN	⓬	USB TYPE-C	⓯	TOUCH USB

* Dimensions & Jack Panels (Read/Side) may differ from the above image, so please contact LG sales team to verify before ordering.

86TN3F

		86TN3F
PANEL	Screen Size	85.6
	Panel Technology	IPS
	Back Light Type	Edge
	Aspect Ratio	16 : 9
	Native Resolution	3,840 x 2,160 (UHD)
	Brightness	350 nits (w/Protection Glass)
	Contrast Ratio	1,000:1
	Viewing Angle(H x V)	178 x 178
	Response Time	8ms (G to G)
	Life time(Typ.)	30,000 Hrs (Typ.)
	Operation Hours	16 Hours
	Orientation	Landscape
CONNECTIVITY	Video / Audio	HDMI (3), DP, DVI-D, USB Type C / Audio In/Out
	External Control	RS232C In/Out
	USB	USB 2.0 (2), USB Type C(USB2.0), Touch Out(USB2.0,B Type)(2)
MECHANICAL SPECIFICATION	Bezel Color	Black
	Bezel Width	(T/L/R/B) set: 28.8mm
	Monitor Dimension(W x H x D)	76.9 x 45.8" x 3.4" / 1952.6 x 1164.1 x 86.4mm
	Weight(Head)	147 lbs / 66.7 kg
	Carton Dimensions(W x H x D) with pallet	86.2" x 57.9" x 14.6" / 2190 x 1470 x 371mm
	Packed Weight	212.5 lbs / 96.4kg
	Handle	Yes
	VESA™ Standard Mount Interface	600mm x 400mm
KEY FEATURES	HW	Internal Memory (64GB), SoC (M16++), DDR(3GB), Wi-Fi(Built-in), Local Key Operation(2, Power/AssitvieMenu)
	SW	webOS 4.0
ENVIRONMENT CONDITIONS	Operation Temperature	32°F to 104°F / 0 ℃ to 40 ℃
	Operation Humidity	10 % to 80 %
POWER	Power Supply	100-240V~, 50/60Hz
	Power Type	Built-in Power
	Power Consumption(Typ./Max)	360W / 420W
SOUND	Speaker	Built in(10W/Ch)
STANDARD (CERTIFICATION)	Safety	UL / cUL / CB / TUV / KC
	EMC	FCC Class "A" / CE / KC
MEDIA PLAYER COMPATIBILITY	OPS type compatible	Yes
	Optional	(OPS Kit (KT-OPSA))
ACCESSORIES	Basic	Remote Controller, Power Cord, QSG, HDMI(3M), Regulation Book, Phone to RS232C Gender, Touch Pen(2ea, include battery 2ea), Pen Tip(12ea), Tip Remover(2ea), USB Type-C Cable, Ferrite Core Filter
SPECIAL FEATURES	IDB App	Yes
TOUCH SPECIFICATIONS	Touch type	In-cell
	Available object size for touch	5 mm ↑
	Response Time (PC Windows 10)	70ms ↓
	Accuracy	1.5 mm
	Interface	USB 2.0
	Protection Glass Thickness	1.85T (Anti-Glare)
	Protection Glass Transmission	88% ↑
	Operating System Support	Win7 professional, Win8.1, Win10
	Multi touch point	Finger. Max 20 Point (Windows), Finger. Max 10Point (webOS), Active Pen: Max 2 Point

* Specifications are subject to change without notice, so please contact LG sales team to verify before ordering.

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