

# True Interactivity for The Most Collaborative Meeting

In a complex writing environment such as meeting rooms and classrooms, TN3F 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 to any device anytime, anywhere, so that you can hold smart meetings and collaborations. Ultimately, this will help lead your business to success.



Natural Cursive  
Writing Experience



Collaboration  
& Connectivity



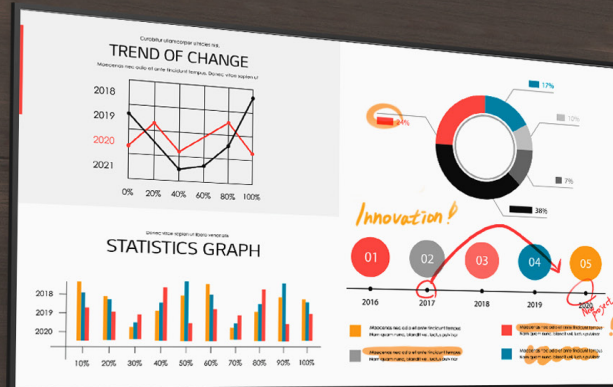
User Friendly  
Experience



Superior  
Picture Quality









## In-Cell Touch

The In-Cell touch technology provides advantages in writing performance, visibility, and design because the LCD panel and protective glass are directly bonded with no air gaps.

The In-Cell touch signage delivers a high-quality user experience and boosts your efficiency 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)

New Interactive Display Application supports intuitive UX/UI that includes a simple launcher menu, easy control center, and seamless tool bar.



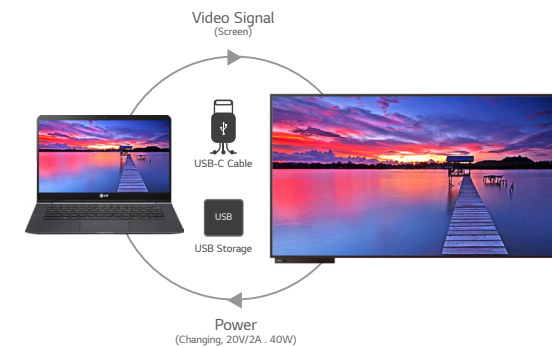
### All-in One

The TN3F integrates both webOS and IDB apps into a high performance SoC, without a PC. 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-C type cables that can replace other connectors, such as USB-B, USB-A and HDMI.



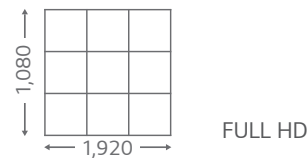
## True Color, Immersive View

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

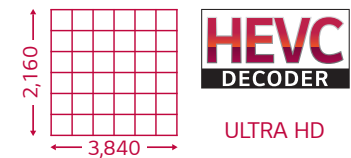


## Vivid Color Details with Ultra HD

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



FULL HD

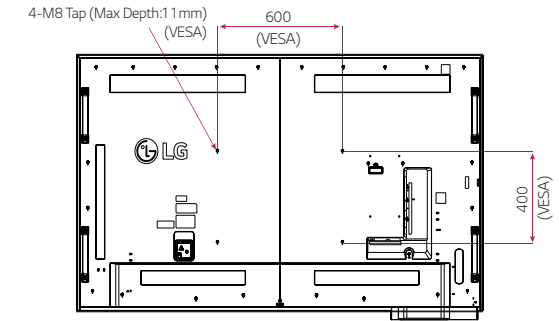
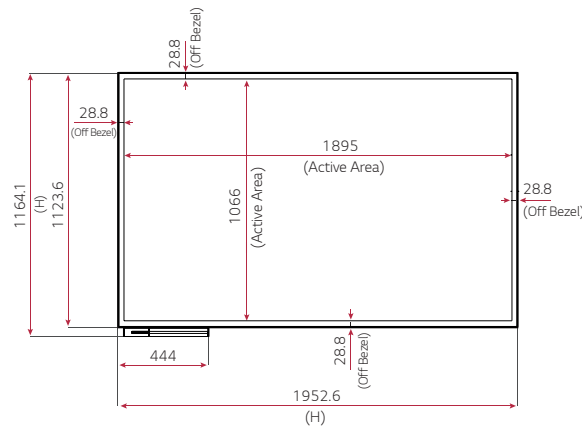


ULTRA HD

## DIMENSION (unit: mm)

LG In-Cell Interactive Digital Board | **TN3F**

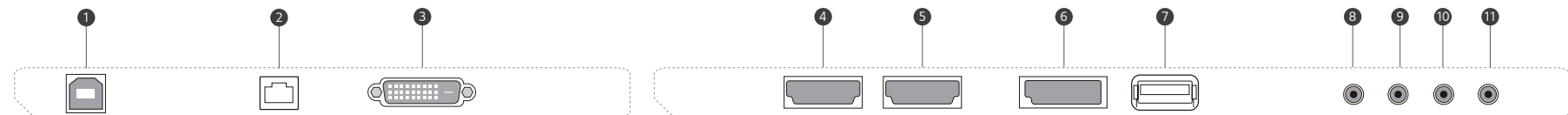
**86TN3F**



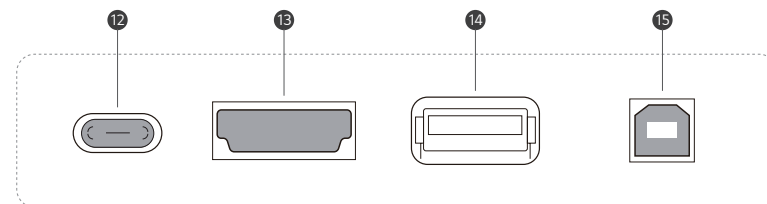
## CONNECTIVITY

**86"**

Back



Front



- |             |             |               |              |              |
|-------------|-------------|---------------|--------------|--------------|
| ① TOUCH USB | ④ HDMI IN 1 | ⑦ USB 2.0 IN  | ⑩ AUDIO OUT  | ⑬ HDMI IN 3  |
| ② LAN       | ⑤ HDMI IN 2 | ⑧ RS-232C OUT | ⑪ AUDIO IN   | ⑭ USB 2.0 IN |
| ③ DVI-D IN  | ⑥ DP IN     | ⑨ RS-232C IN  | ⑫ USB TYPE-C | ⑮ TOUCH USB  |

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

# SPECIFICATION

LG In-Cell Interactive Digital Board | **TN3F**

## TN3F : In-cell/webOS

## 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	350cd/m2 (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.)	50,000 Hrs (Typ.)
	Operation Hours	16Hr
CONNECTIVITY	Orientation	Landscape
	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)	1952.6 X 1164.1 X 86.4mm
	Weight(Head)	66.7 kg
	Carton Dimensions(W x H x D) with pallet	2190 X 1470 X 371mm
	Packed Weight	96.4kg
	Handle	Yes
	VESA™ Standard Mount Interface	600 x 400
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	0 °C to 40 °C
	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
	External Media player Attachable	x
	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	Ø5 mm ↑
	Response Time (PC Windows 10)	70ms ↓
	Accuracy	1.5mm
	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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