

55/43/32 TNF5J-BP Product Kit (ver.1.0)

Touch Open Frame

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4. Dimension

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Information Display Business Unit

1. Summary

It is expected that the non-face-to-face life trend will continue in everyday life, and accordingly, the service market through kiosks is expected to grow instead of through human services.

However, there are various types of verticals used for kiosk products, and customer requirements are too diverse.

LG enters the kiosk market through Touch Open Frame for optimal customization in the kiosk market where various form factors and designs exist.



Various form factors for Kiosk

❑ Major Usage Scene

✓ Franchise / Retail Self ordering Kiosk



✓ Touch pad for signing after ordering



✓ Way Finding / Info Kiosk with large screen



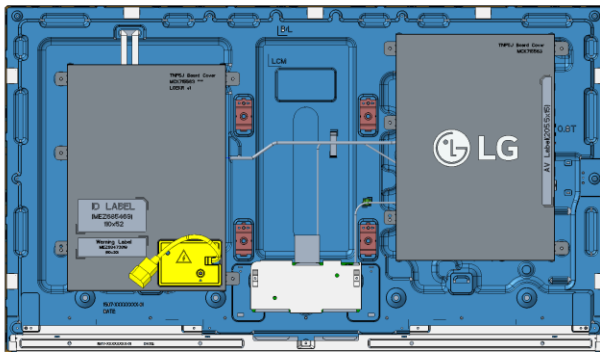
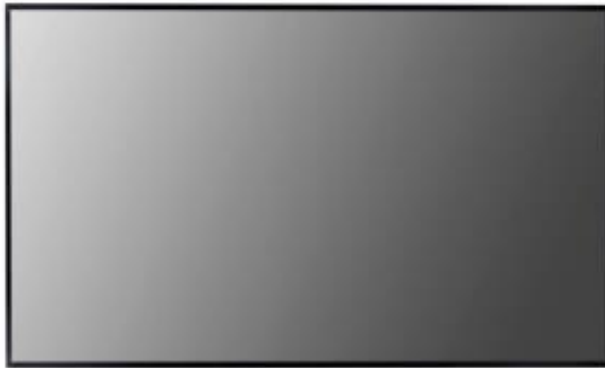
2. Product Overview

Touch Open Frame for Kiosk

55U

43U

32F



1. Slim & Light

*Touch + display integrated design
(No touch glass required)*

2. Superior Picture

Excellent image quality without any distortion

3. Design Flexibility

1) *Provides design freedom to kiosk manufacturers through Touch Open Frame*

2) *Interface for connecting various devices*

* *Input : HDMI2.0(2), RS232C(1), RJ45(1), IR In(1), USB2.0(1)*

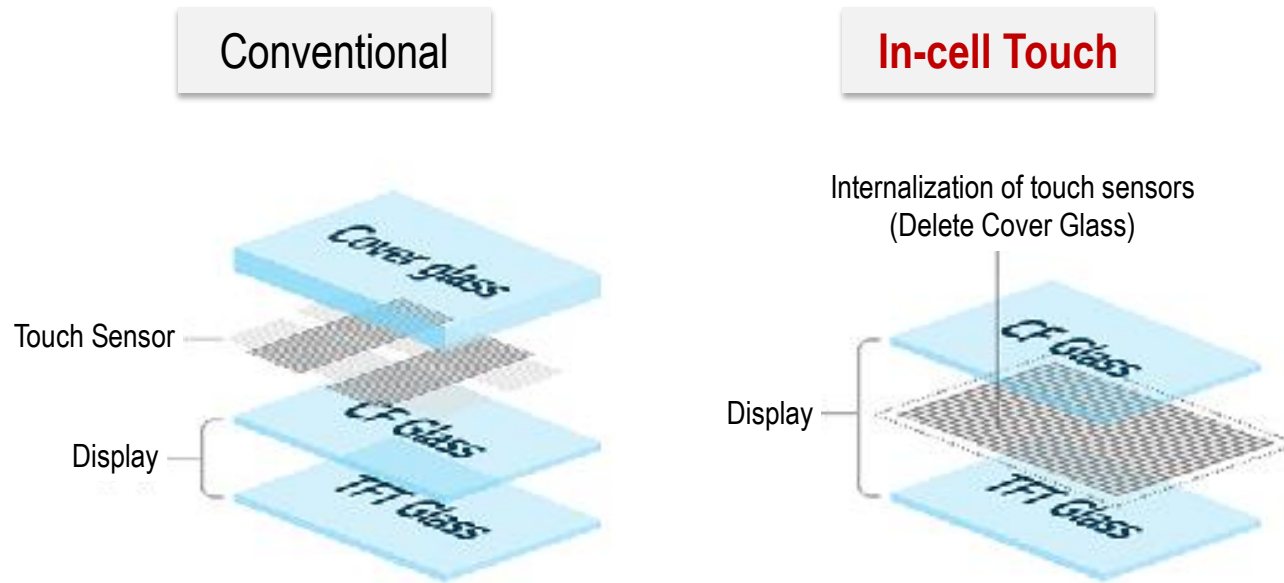
* *Output : Audio out(1), Touch USB2.0(1)*

4. Commercial Grade

24hrs / 7days, Stable Screen, Support portrait type installation, 45 degree tilt (face up) installation possible, Conformal coating, 10 points multi-touch

1. Slim & Light

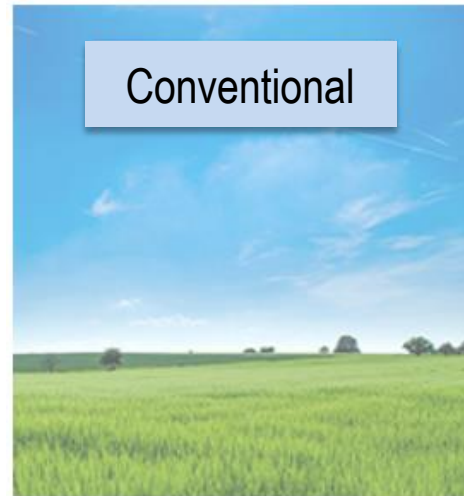
In-cell Touch Open Frame has a touch function built into the display, so it is possible to implement a slim design and a narrow bezel in preparation for general touch products that require additional touch parts (Film).



3. USP

2. Superior Picture

In-cell Touch Open Frame product realizes excellent image quality without any distortion of image quality such as recognition of touch pattern and milky effect generated by general touch parts (Film).



3. USP

3. Design Flexibility

By providing all-in-one parts for Touch + Display + webOS, manufacturers can realize free design.



3. USP

4. Commercial Grade

1 24hrs / 7days

In-cell Touch Open Frame, which has excellent durability that can be used for 24 hours, is suitable for use in kiosk products that require a long period of use.



2 Stable Screen

Due to the characteristics of the molecular structure, the IPS panel does not show any flashing or pressed phenomenon on the screen even when the external pressure is applied, so it is solid and stable.

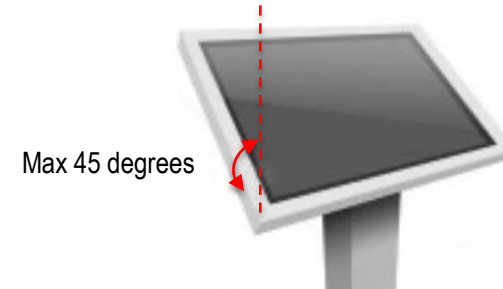


3. USP

4. Commercial Grade

3 45-degree Tilt (Face up) Installation Possible

When a display is installed at low places, it is usually tilted for the user's comfort viewing. In consideration of this, the installation with max 45 degrees of tilt is supported.

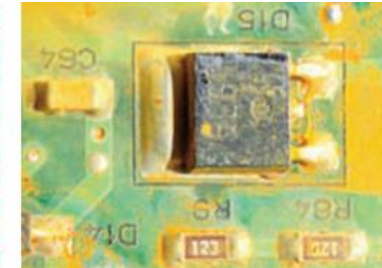


4 Conformal Coating

Conformal coating helps protect against water, dust and iron powder deposits which accumulate in harsh environments, saving on expensive installation and added enclosure costs.



With conformal coating



Without conformal coating

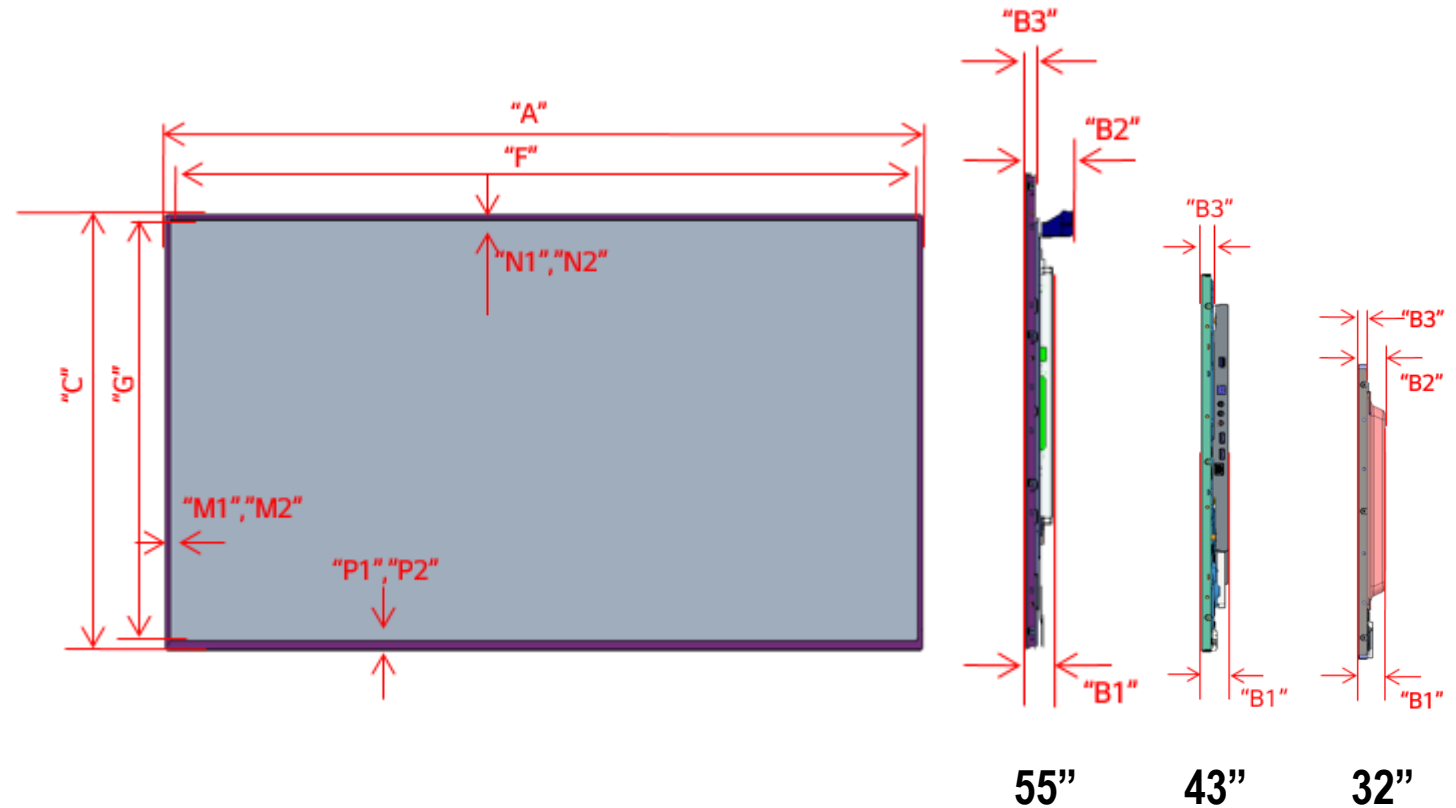
5 10 Points Multi-Touch

It provides a more realistic sense of touch since it can recognize up to 10 point-touches at once. Various touch-based customer services can be provided through the screen so that consumers will have unforgettable shopping experiences.



4. Dimension

Front & Side (mm)	55UHD	43UHD	32FHD
A (Set width)	1231.8	967.2	723
B1 (Head, Board Cover Surface depth)	39.2	38.0	39.1
B2 (Head, thickest)	70.3	-	39.6
B3 (Head, Slimmest depth)	13.6	13.2	13.0
C (Head height)	709.6	558.4	419.4
F (Cabinet, Bezel Open)	1213.6	945.4	700.4
G (Cabinet, Bezel Open)	684.4	534	394.9
M1 (L/R Off Bezel)	9.1	10.9	11.3
M2 (L/R On Bezel)	11.1	13.0	12.3
N1 (Set, Top Off Bezel)	9.1	10.9	11.3
N2 (Set, Top On Bezel)	11.1	13.0	12.3
P1 (Set, Bottom Off Bezel)	16.1	10.5	13.2
P2 (Set, Bottom On Bezel)	18.1	16.0	14.2

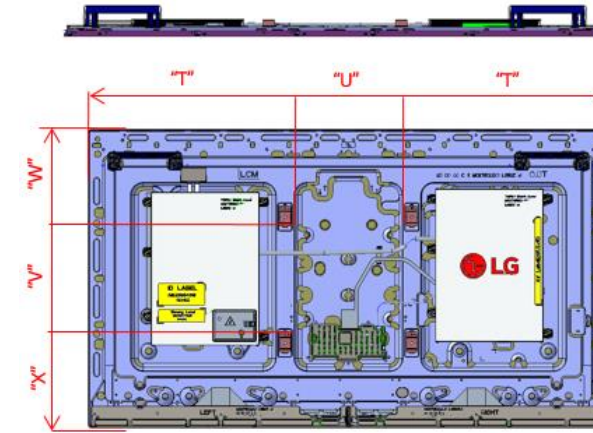


Spec Sheet

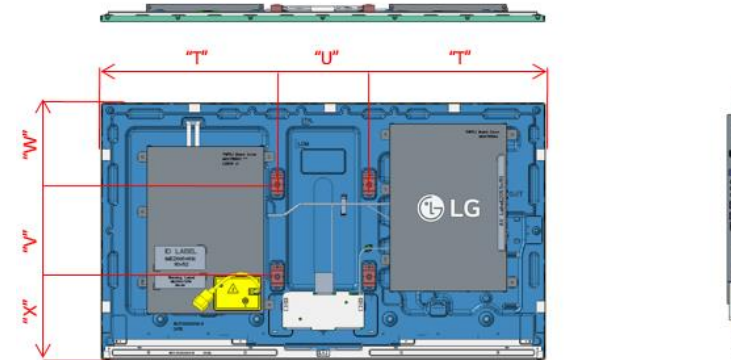
4. Dimension

Back (mm)	55UHD	43UHD	32FHD
T(HEAD, L/R side ~ VESA Hole center)	465.9	383.6	261.5
U(VESA horizontal length)	300.0	200.0	200.0
V (VESA vertical length)	300.0	200.0	200.0
W (HEAD, top side ~ VESA Hole Center)	208.4	177.7	108.7
X (Head, LCM bottom ~ VESA Hole center)	201.2	180.8	110.6

55"



43"



32"

