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Touch Open Frame TNF5P

New In-Cell Touch Open Frame for Optimal Customization



Slim & Light



Clear
Picture Quality



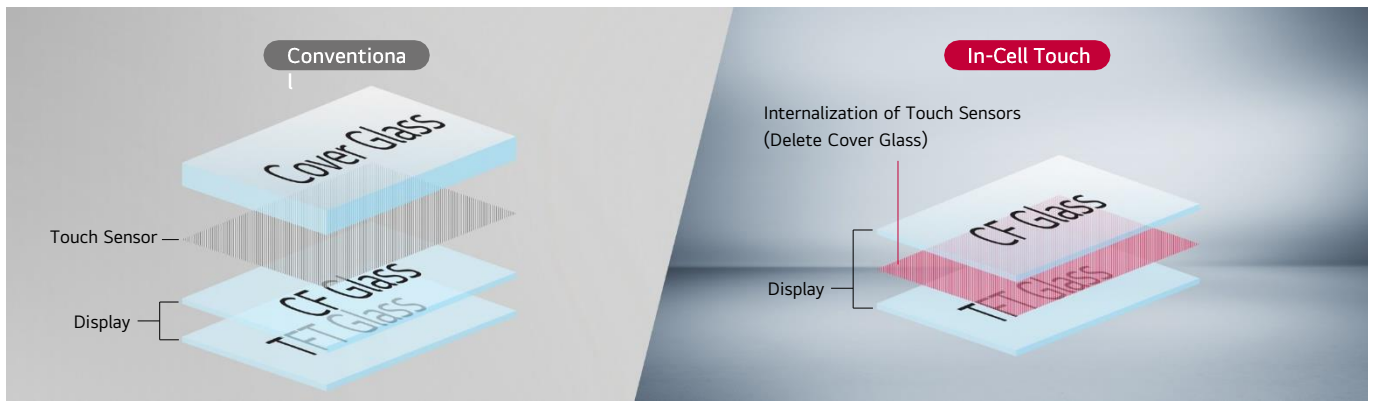
Design Flexibility



Ready for
Commercial Uses

TNF5P

Display	Inch	55" / 43" / 32"
	Native Resolution	3,840 × 2,160 (UHD) (55"/43") 1,920 × 1,080 (FHD) (32")
	Brightness	450 nit (55"), 500 nit (43"/32")
	Operation Hours	24 / 7 (Hours / Days)
	Portrait / Landscape	Yes / Yes
Touch	Multi-Touch Point	Max. 10 Points
Connectivity	Input	HDMI (2, HDCP 2.2/1.4 (55"/43"), HDCP 1.4 (32")), RS-232C In, RJ45 (LAN), IR In, USB (2.0 Type A)
	Output	Audio Out, Touch USB (2.0 Type B)



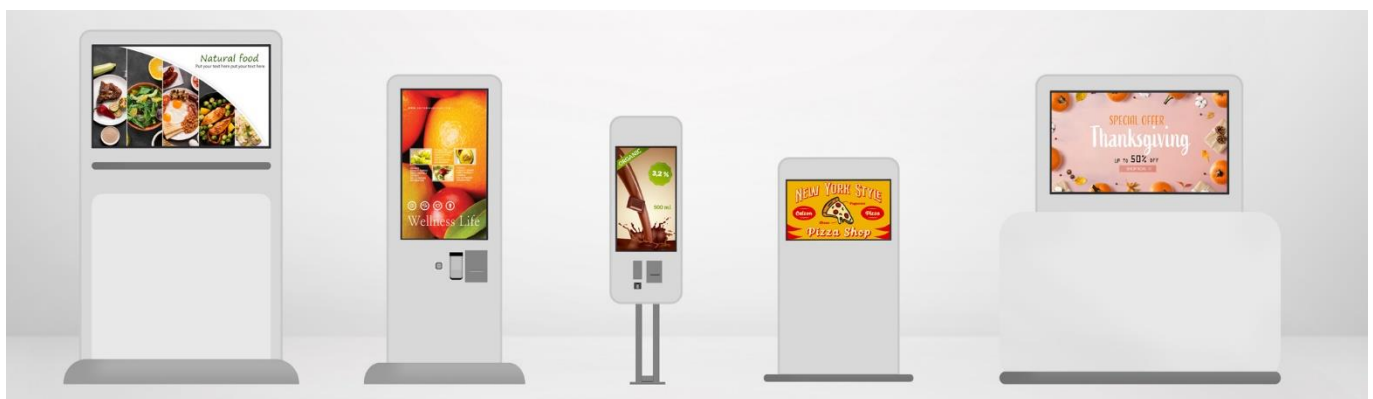
Slim & Light

The In-Cell Touch Open Frame has a touch function built into the display, allowing for the implementation of a slim design and a narrow bezel compared to general touch products that require additional touch parts (Film).



Clear Picture Quality

Compared to general touch products, TNF5P implements clear picture quality without milk effects caused by additional touch sensor film parts.



Design Flexibility

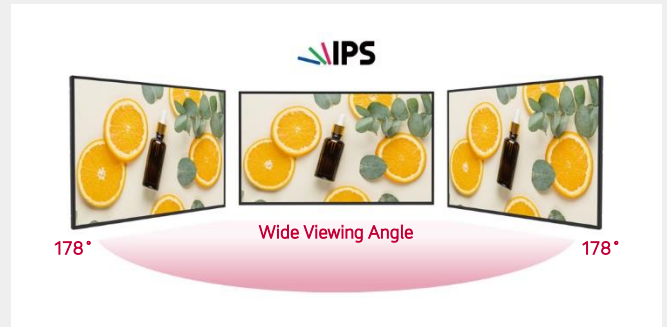
By providing integrated parts such as touchscreen, display, and webOS, users can realize free design for their own needs.

Ready for Commercial Uses



24hrs / 7days

TNF5P's excellent durability allows for use in kiosks that require a full day of operation.



Wide Viewing Angle

IPS panel technology provides better control of the liquid crystals, which in turn allows the screen to be viewed at virtually any angle.



45-degree Tilt (Face up) Installation Possible

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



10 Points of Multi-Touch

The TNF5P provides a more realistic touch sensation since it can recognize up to 10 points of multi-touch at once, and various touch-based user services can be provided through the screen.



High-Performance with webOS 6.0

webOS 6.0, upgraded in SoC* and web engine, is available on TNF5P for a smooth execution of several tasks. LG webOS smart signage platform enhances user convenience with intuitive GUI** and provides to SI or/and developers simple app development tools such as SDK (Software Development Kit), SCAP, sample applications.

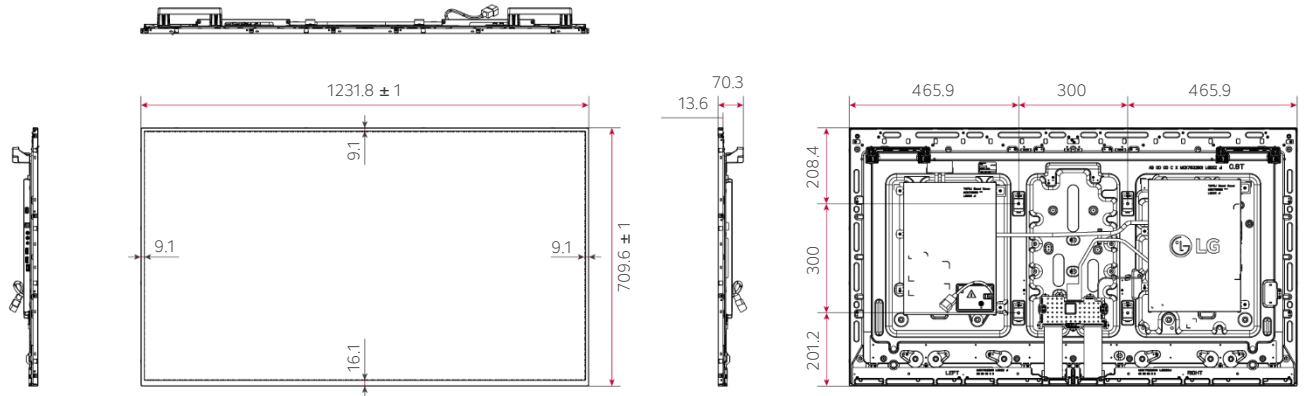
* SoC : System On Chip

** GUI : Graphical User Interface

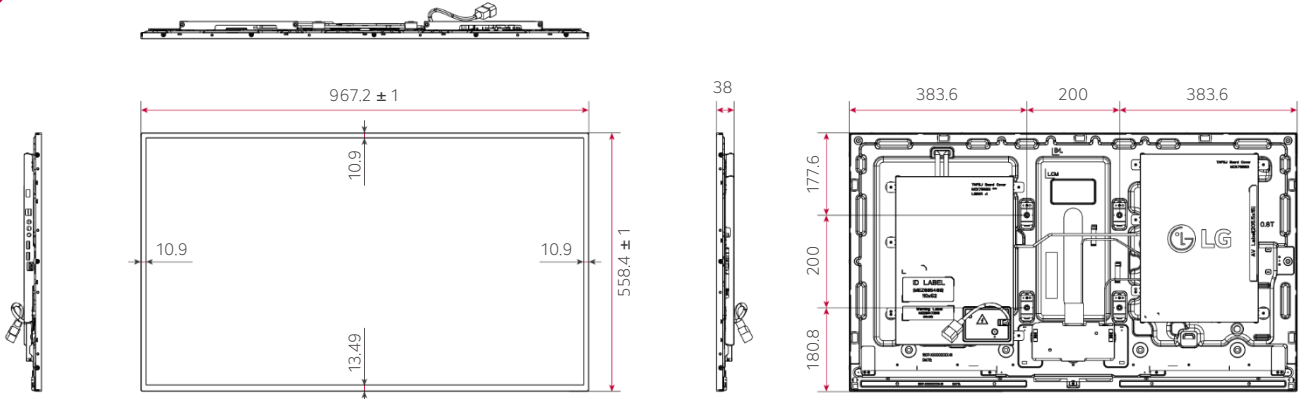
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DIMENSION (unit: mm)

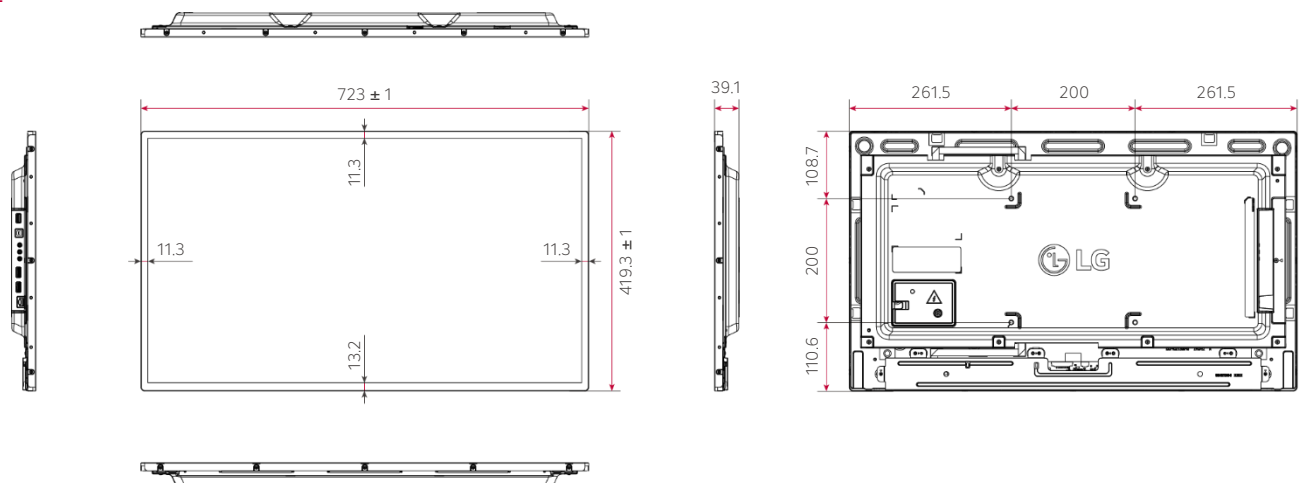
55"



43"



32"



SPECIFICATIONS

		55TNF5P	43TNF5P	32TNF5P
Panel	Screen Size	55"	43"	32"
	Panel Technology	IPS	IPS	IPS
	Native Resolution	3,840 × 2,160 (UHD)	3,840 × 2,160 (UHD)	1,920 × 1,080 (FHD)
	Back Light Type	Edge	Edge	Edge
	Aspect Ratio	16 : 9	16 : 9	16 : 9
	Native Resolution	3,840 × 2,160 (UHD)	3,840 × 2,160 (UHD)	1,920 × 1,080 (FHD)
	Brightness	450 nit	500 nit	500 nit
	Contrast Ratio	1,000 : 1	1,000 : 1	1,000 : 1
	Color Gamut	NTSC 72%	NTSC 72%	NTSC 72%
	Viewing Angle (H × V)	178 × 178	178 × 178	178 × 178
	Color Depth	1.07 Billion Colors (10 bit)	1.07 Billion Colors (10 bit)	16.7 Million Colors (8 bit)
	Response Time	9 ms (G to G)	9 ms (G to G)	9 ms (G to G)
	Surface Treatment (Haze)	12%	12%	25%
	Lifetime	50,000 Hrs (Min)	50,000 Hrs (Min)	50,000 Hrs (Min)
	Operation Hours (Hours / Days)	24 / 7	24 / 7	24 / 7
Portrait / Landscape	Yes / Yes	Yes / Yes	Yes / Yes	
Connectivity (Jack Interface)	Input	HDMI In (2, HDCP 2.2/1.4 (55"/43")), HDMI In (2, HDCP 1.4 (32")), RS-232C In, RJ45 (LAN) In, IR In, USB 2.0 (Type A)		
	Output	Audio Out, Touch USB 2.0 (Type B)		
Mechanical Specification	Bezel Color	Black	Black	Black
	Bezel Width	9.1 / 9.1 / 9.1 / 16.1 mm	10.9 / 10.9 / 10.9 / 13.5 mm	11.3 / 11.3 / 11.3 / 13.2 mm
	Weight (Head)	16.8 kg	10.4 kg	5.8 kg
	Packed Weight	21.6 kg	12.4 kg	6.9 kg
	Monitor Dimension (W × H × D)	1,231.8 × 709.6 × 39.2 mm	967.2 × 558.4 × 38.0 mm	723.0 × 419.4 × 39.1 mm
	Carton Dimensions (W × H × D)	1,360 × 835 × 175 mm	1,064 × 665 × 156 mm	812 × 510 × 142 mm
	VESA™ Standard Mount Interface	300 × 300 mm	200 × 200 mm	200 × 200 mm
Key Feature	Internal Memory (8 GB (System 5 GB + Available 2.48 GB)), Temperature Sensor, Acceleration (Gyro) Sensor, webOS 6.0, Local Contents Scheduling, Group Manager, USB Plug & Play, Fail Over, Booting Logo Image, No Signal Image, Video Tag (4), Play via URL, Screen Rotation, Gapless Playback, Setting Data Cloning, SNMP, ISM Method, Status Mailing, Control Manager, 3 rd Party Compatibility (Cisco Certi., Crestron Connected® ¹⁾), Smart Energy Saving, PM Mode, Wake on LAN, Network Ready, HDMI-CEC ²⁾ , SI Server Setting, webRTC, Pro:Idiom			
Environment Conditions	Operation Temperature	0°C to 40°C	0°C to 40°C	0°C to 40°C
	Operation Humidity	10% to 80%	10% to 80%	10% to 80%
Power	Power Supply	AC 100-240 V~, 50/60 Hz	AC 100-240 V~, 50/60 Hz	AC 100-240 V~, 50/60 Hz
	Power Type	Built-in Power	Built-in Power	Built-in Power
Power Consumption	Typ. / Max.	122 W / 170 W	81 W / 110 W	48 W / 65 W
	BTU (British Thermal Cabinet)	416 BTU/Hr (Typ.), 580 BTU/Hr (Max.)	276 BTU/Hr (Typ.), 375 BTU/Hr (Max.)	164 BTU/Hr (Typ.), 222 BTU/Hr (Max.)
	Smart Energy Saving (70%)	85 W	57 W	34 W
	DPM	0.5 W ↓	0.5 W ↓	0.5 W ↓
	Power Off	0.5 W ↓	0.5 W ↓	0.5 W ↓
Certification	Safety	CB / NTRL	CB / NTRL	CB / NTRL
	EMC	FCC Class "A"/ CE / KC	FCC Class "A"/ CE / KC	FCC Class "A"/ CE / KC
	ErP / Energy Star	Yes / Yes	Yes / Yes	No / Yes
Software Compatibility	SuperSign CMS, SuperSign Control+, SuperSign Cloud, Mobile CMS, LG ConnectedCare ³⁾			
Language	English, French, German, Spanish, Italian, Korean , Chinese (Simplified), Chinese (Original), Portugues (Brazil), Swedish, Finnish, Norwegian, Danish, Russian, Japanese, Portugues (Europe), Dutch, Czech, Greek, Arabic, Türkçe, Polski			
Accessory	Basic	Power Cord 1.55 M × 1, USB Cable (Type A-Type B) 1.8 M × 1, User Manual, QSG, Remote Controller, RS-232C Gender, IR Receiver		
Special Feature	Tilt ((Face Up) 45° (Max.)), Conformal Coating (Power Board)			
Product Dedicated Feature	Available Object Size for Touch (Ø6 mm ↑), Response Time (Based on Paint App on Windows 10 PC, 90 ms ↓), Accuracy ((Typ.) 3.5 mm), Interface (USB 2.0), Operating System Support (Win 10/11, Android), Multi Touch Point ((Max.) 10 Points)			

¹⁾ Network based control.²⁾ Compatibility may differ by equipment.³⁾ The availability can differ by region.

* Specifications are subject to change without notice. Please make sure to check the product manual for details about product usage.



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