LG

* All images are for illustrative purposes only.

Interactive Digital Board TR3DK Series

A New Level of Classroom with **LG** CreateBoard
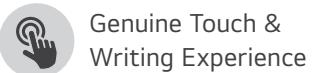
- **Genuine Touch & Writing Experience**
- **Google EDLA**
- **Easy Connection & Sharing**
- **User Friendly Experience**
- **Security & Compatibility**
- **Remote-control Services**

TR3DK Series

Display	Size	248.92 cm (98), 218.44 cm (86), 190.5 cm (75), 165.1 cm (65), 139.7 cm (55)
	Native Resolution	3,840 × 2,160 (UHD)
	Brightness	440 nits (Max.)
Touch	Multi-Touch Point	Max. 40 Points
Software	OS Ver.	Android 13 (EDLA)
Connectivity	Input	HDMI (3, HDCP2.2), RGB (1, VGA), Audio (1), RS-232C (1), RJ45 (1, LAN), USB3.0 Type A (4), USB2.0 Type A (1), USB Type-C (1, USB-PD, DP-Alt)
	Output	HDMI (1), Audio Out (1, Optical 1(SPDIF)), Touch USB (2), RJ45 (1, LAN)

CREATIVE WHITEBOARD SOLUTION

Ruler Shape Table

Mind map Sticky-Notes · · ·

Various Teaching Templates

LG CreateBoard offers a variety of educational templates and teaching tools such as a ruler, table, and sticky notes, allowing for active engagement by students and enabling intuitive classes. Editing images and videos becomes easy with LG CreateBoard, and created resources can be easily shared with others through QR codes.


Multi-touch

LG CreateBoard can simultaneously detect up to 40 points for multi-touch functionality. This creates a lifelike board touch experience, helping students easily become accustomed and truly engage in classes. This leads to the maximum concentration and organic engagement of students.

* A max of 32 points are recognized in the Android environment, and a max of 40 points are detected in the Windows environment.
* Up to 10 points can be recognized in the writing app.

In Class After Class
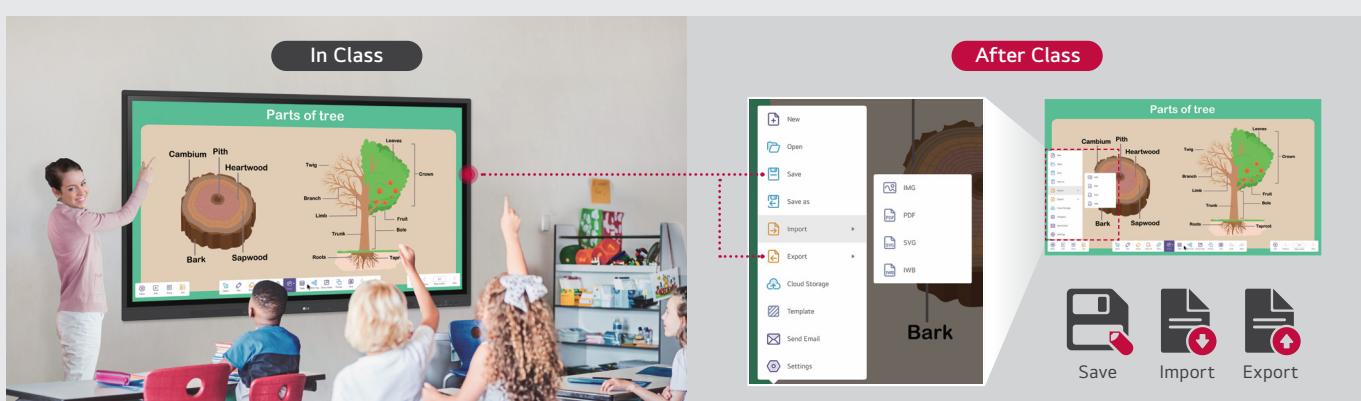
Save Import Export

Easy to Save / Import / Export

LG CreateBoard includes simple import and export functionality. Resources can be saved and imported directly to and from Google Drive or OneDrive, and files can be imported from a USB drive (Users can browse resources saved on USB storage).

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REMOTE MANAGEMENT SOLUTION

LG ConnectedCare DMS

Device Summary | Device Issue Summary | Issue Type | Schedule History
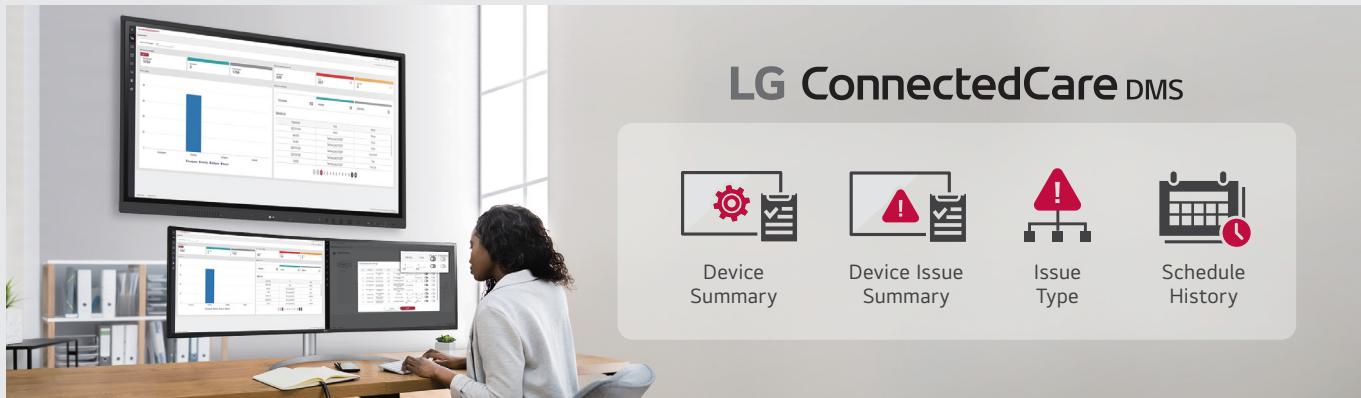
LG ConnectedCare DMS

LG ConnectedCare DMS is a cloud solution for remotely monitoring, controlling, and managing the status of LG CreateBoard installed in educational environments. This feature enables IT managers to operate and manage important resources on operating devices without physically visiting sites.

* 'LG ConnectedCare DMS' needs to be purchased separately.
* The availability of the 'LG ConnectedCare DMS' service differs by region, so please contact the LG sales representative in your region for more details.
* LG ConnectedCare DMS supports the TR3DJ/TR3PJ/TR3DK Series as of now(plus more to come) under a cloud environment.


Remote-control / Scheduling

Frequently used controls such as the power on/off, scheduling, brightness, and screen lock functions can be applied using a remote control.
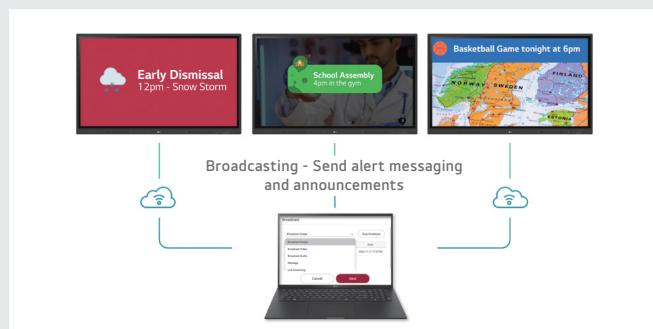
Broadcasting / Alert Messaging

Messages and a range of other content can be sent from the main system to individual classroom devices connected to LG ConnectedCare DMS. In case of urgent occasions such as a fire or a natural disaster, alert messages can be distributed manually across the system, which help teachers and students promptly take safety action.
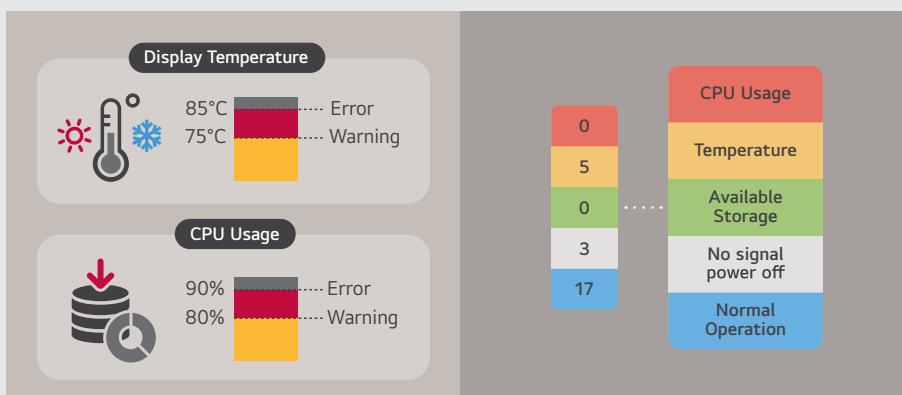
Threshold Settings

Users can set thresholds in eight categories including display temperature, memory usage, or signal, and can receive warning or error notifications based on their threshold settings.

Monitoring & Fault Diagnosis

An engineer can check the status in real-time and diagnose problems remotely. Also, the current status of issues can be categorized, allowing for easy viewing and quick responses.

Issue Management

Remote issue management can be carried out by the LG ConnectedCare DMS solution. This makes management safer and more efficient, facilitating the stable operation of the classroom.

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EASY CONNECTION & SHARING
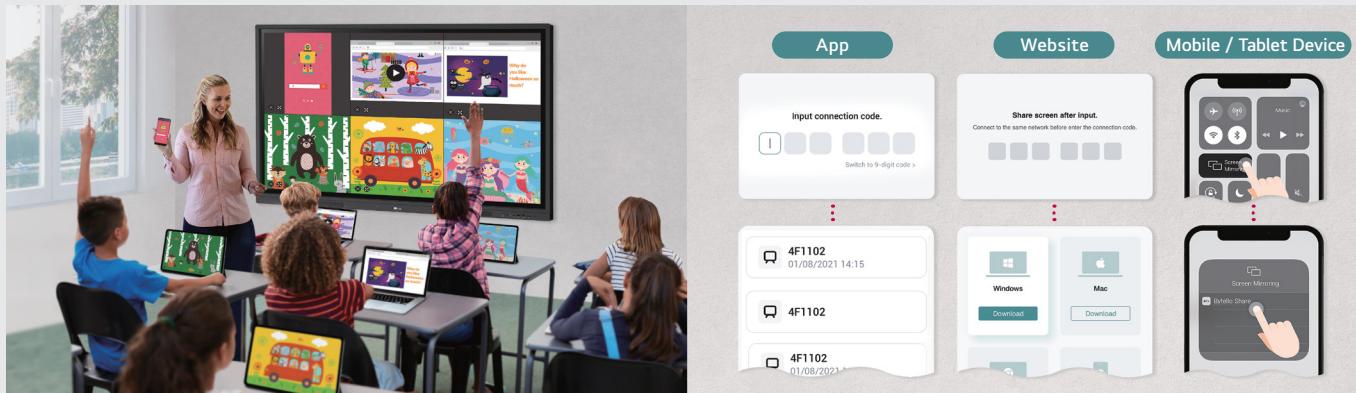
Wireless ScreenShare

LG CreateBoard Share enables users to show up to 9 shared screens or a file on a screen in real-time when the LG CreateBoard Share app is installed on the device. Also, files from the host can be easily sent to any devices connected to the LG CreateBoard Share app, and several quick controls by the host are available.

* LG CreateBoard also supports app-less sharing for PC (via website) and mobile devices within the same network.
* For a more stable connection, we recommend the installation of a dedicated app (LG CreateBoard Share).
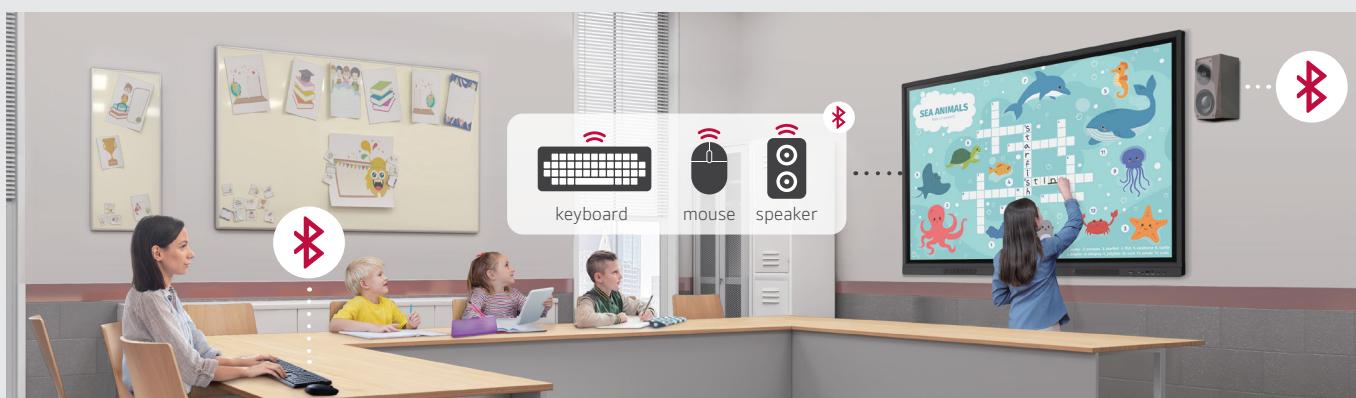
Bluetooth Connectivity

LG CreateBoard supports wireless Bluetooth connections to various devices such as a speaker, mouse, keyboard, etc. This is optimal for building a hybrid environment so that online and offline classes can proceed smoothly.


C-type Connection

USB-C connectivity simplifies connections which enables charging and sending data simultaneously over just one single cable.

* USB Type-C cables are sold separately.

* All images are for illustrative purposes only.

OTHER FEATURES
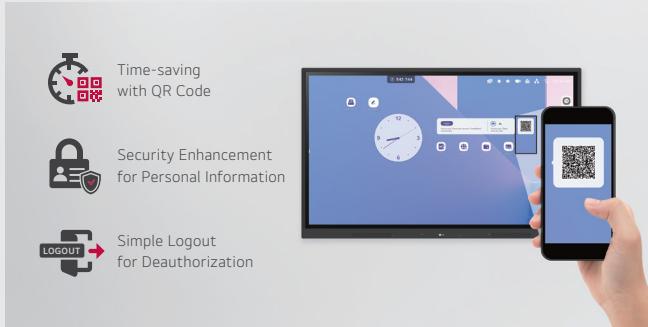
QR Login for Easy Cloud Access

The QR code on the home screen reduces preparation time for class by enabling personal device verification. Users can sign up for a variety of apps on the LG CreateBoard including Google Drive and OneDrive with just one QR verification without any additional login process. Once a lesson is finished, users can simply click the Logout button to disconnect, thus the risk of a personal information leak is reduced.

Advanced Eye-Care

LG CreateBoard has introduced a flicker-free function. With the reduced flickering of the monitor's backlight, users can use the device with more comfort even when using it for a long time.


Front Connectivity Design

LG CreateBoard features front display ports and speakers which are ideal for both teachers and students, enabling content to be delivered easier with more immersive sound.
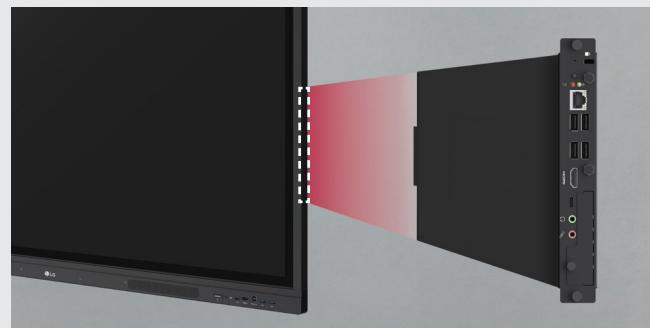
Built-in OPS Slot

LG CreateBoard supports OPS slots, allowing you to easily and conveniently mount OPS desktop at the back of the LG CreateBoard without the hassle of connecting to an external desktop, offering you more expanded functions.

* OPS : Open Pluggable Specification

Smart Viewing

The Smart Viewing feature of LG CreateBoard enables efficient teaching. Two or more materials can be displayed on the same screen simultaneously without having to repeat Alt-tab, making teaching more convenient and efficient. Two materials can be displayed side by side (multi window mode), or one material can be overlaid on the other one (picture-in-picture mode).

* Multi window mode may not work for some apps.
* PIP mode is available for the external source screen.

Power Saving

When a device doesn't receive an external input signal for a specific amount of time set by the user, the device goes into standby mode. Devices can also be automatically turned on or off at specific time or day set by the user, which contributes to save energy.

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OTHER FEATURES

SECURE FUNCTION

Screen Lock

Teachers can lock the screen using the Screen Lock function, and unlock it by entering a password. Users can set the Screen Lock in the Settings menu to protect the device from unidentified users.

Secure Mode

LG CreateBoard supports Secure Mode that disables the LG CreateBoard Share function to prevent unauthorized content from being shown on various devices.
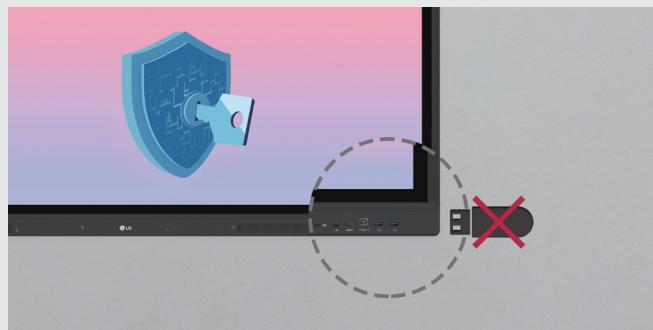
USB Lock Mode

USB Lock Mode is a security measure that helps prevent data from being copied to unauthorized devices, which is essential when being used in spaces where security is critical.

Auto-remove Files

Users can set LG CreateBoard to delete files regularly for enhanced security.

* All images in this datasheet are for illustrative purposes only.

GOOGLE CERTIFICATION

Google Certification

LG CreateBoard has received Google certification, enabling users to seamlessly integrate with the Google ecosystem by connecting their Google accounts.

* Exceptions apply in countries without Google services.

Google Play Store

Users have access to the Google Play Store, where they can download a wide range of applications, including education-related games, tools, and more for an expanded experience.

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DIMENSION (unit: mm)

98

2,245±2
2,188
2,159±1.5

1,214±1.5
1,246
1,323±2

59
31
92

722   800

353
600

86

1,957
1,924
1,897

1,068
1,098
1,160

67
24
100

579   800

289
600

75

1,709
1,676
1,650

928
959
1,020

53
24
88

455   800

201
400

65

1,488
1,458
1,428

804
838
897

51
24
88

444   600

222
400

55

1,271
1,233
1,210

680
709
774

50
22
87

435   400

271
200
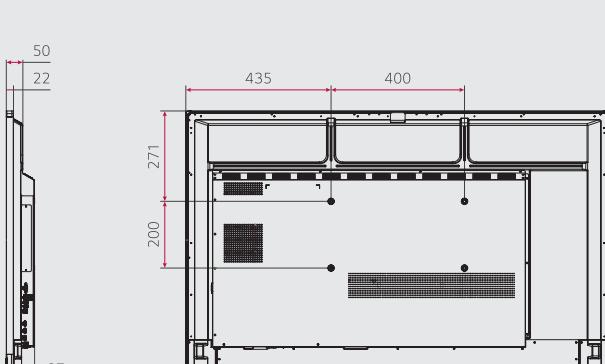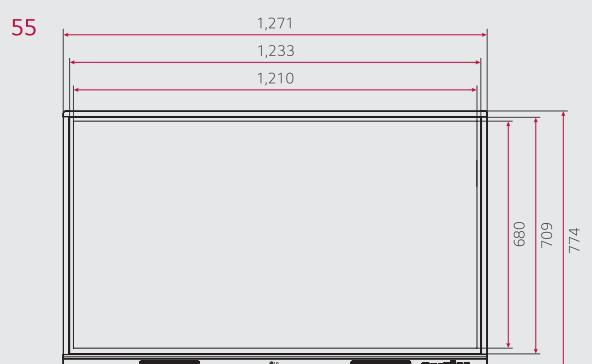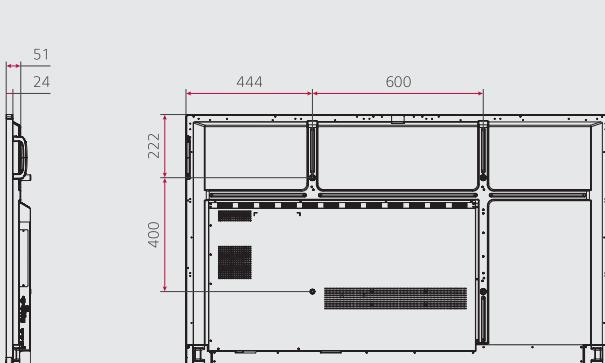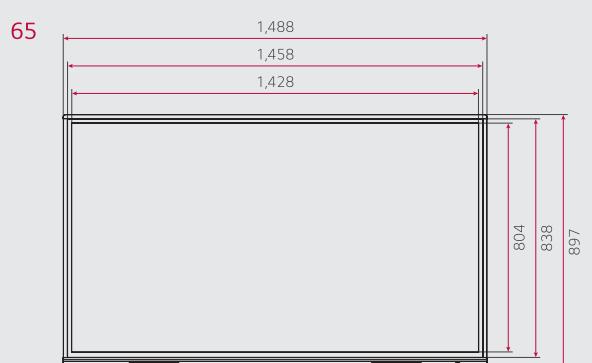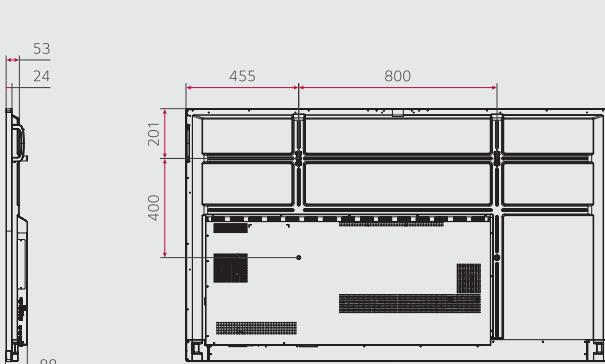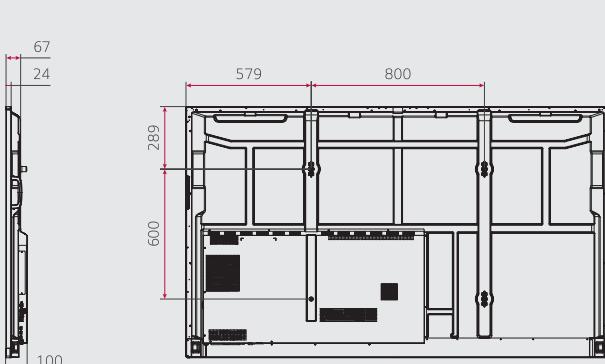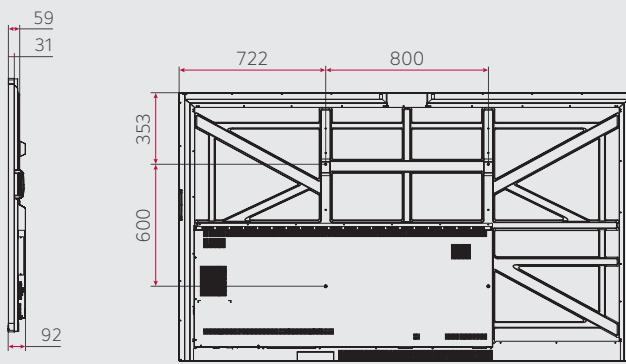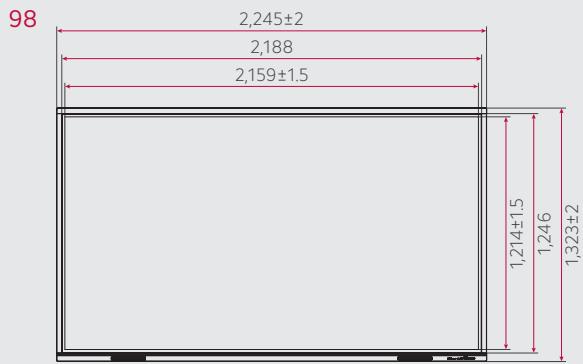
* Dimensions may differ from the above image, so please contact LG sales team to verify before ordering.

SPECIFICATION

Model Name			98TR3DK-I	86TR3DK-I	75TR3DK-I	65TR3DK-I	55TR3DK-I
Panel	Screen Size		248.92 cm (98)	218.44 cm (86)	190.5 cm (75)	165.1 cm (65)	139.7 cm (55)
	Panel Technology		IPS				
	Back Light Type		Direct				
	Aspect Ratio		16:9				
	Native Resolution		3840 x 2160 (UHD)				
	Refresh Rate		60 Hz				
	Brightness		440 nits				
	Contrast Ratio		1200:1				
	Color gamut		NTSC 72%	NTSC 68%	NTSC 72%		
	Viewing Angle (H x V)		178° (H/V)				
	Color Depth		1.07B (10bit)				
	Response Time		8ms				
	Surface Treatment (Haze)		Haze 25%	Haze 28%	Haze 25%		
	Operation Hours (Hours/Day)		16 / 7				
Connectivity (Jack Interface)	Input	Digital	HDMI	HDMI (3) HDCP2.2			
		Analog	RGB	Yes (1, VGA)			
		Audio In		Yes (1)			
		RS232C IN		Yes (1)			
		RJ45 (LAN)		Yes (1)			
		USB		USB3.0 Type A (4), USB2.0 Type A (1), USB Type-C (1, USB-PD, DP-Alt)			
	Output	Display Out		HDMI Out (1)			
		Audio Out		(1, Optical 1 (SPDIF)			
		Touch USB 2.0		Yes (2)			
		RJ45(LAN)		Yes (1)			
Mechanical Specification	Bezel Color		Black				
	Bezel Width		T/R/L/B : 30/27/27/45 mm	T/R/L/B : 15/15/15/44 mm	T/R/L/B : 15/15/15/44 mm	T/R/L/B : 15/15/15/44 mm	T/R/L/B : 18/18/18/45 mm
	Weight (Head)		103.6 Kg	58.6 Kg	47.3 Kg	35.0 Kg	26.1 Kg
	Packed Weight		126.5 Kg	75.9 Kg	60.6 Kg	44.7 Kg	34.5 Kg
	Monitor Dimension (W x H x D)		2244 × 1323 × 91 mm	1957 × 1160 × 100 mm	1709 × 1020 × 88 mm	1488.4 × 896.6 × 87.2 mm	1271 × 774 × 87 mm
	Carton Dimensions (W x H x D) (Box outer size)		2406 × 280 × 1474 mm	2110 × 1283 × 225 mm	1863 × 1140 × 225 mm	1628 × 1005 × 208 mm	1401 × 859 x 220 mm
	Handle		Yes				
	VESA™ Standard Mount Interface		800 × 600 mm			600 × 400 mm	400 × 200 mm
Key Feature	HW	Wi-Fi	Built-in	Slot type			
		Sensor	Auto Brightness sensor	Yes			
		Power Indicator		Yes			
	SW	Operating System		Android (13 EDLA)			
		Background Image	Booting Logo Image	Yes			
		Multi-screen	PIP	Yes (1 external source)			
			PBP	Yes (1 external source)			
		Screen Share		LG CreateBoard Share			
		Power	Smart Energy Saving	Energy Saving			
			Wake on LAN	Yes			
Environment Conditions	Operation Temperature		0 ~ 40 ℃				
	Operation Humidity		10 ~ 90 % RH				
Power	Power Supply		100-240V~ 50/60 Hz				
	Power Type		Built-In Power				
Power Consumption	Typ.		460 W	385 W	225 W	220 W	170 W
	Max.		630 W	580 W	430 W	420 W	395 W
	BTU (British Thermal Unit)		1348 BTU/Hr(Typ.), 2081 BTU/Hr(Max)	1314 BTU/Hr(Typ.), 1979 BTU/Hr(Max)	768 BTU/Hr(Typ.), 1467 BTU/Hr(Max)	751 BTU/Hr(Typ.), 1433 BTU/Hr(Max)	580 BTU/Hr(Typ.), 1348 BTU/Hr(Max)
	DPM		≤0.5 W				
	Power off		≤0.5 W				
Sound	Speaker		15 W x 2				
Certification	Safety		CB / NRTL				
	EMC		FCC Class "A" / CE / KC				
OPS Compatibility	OPS type compatible		Slot type				
	OPS Power built in		Yes				
Software Compatibility	LG ConnectedCare		Yes				
	LG ConnectedCare DMS		DMS (Paid License)				
Language	OSD		English, Denmark, Finnish, German, Korean, Norwegian, Polski, Portugues(Europe), Portugues(Brazil), Romanian, Spanish, Swedish, Hungarian, Thai				
Accessory	Basic		Power Cord 3 M*1, USB Cable (Type A-Type B) 5 M*1, HDMI Cable 3 M*1, Writing Pen*2pcs, User Manual, QSG, Remote Controller(include battery 2ea), Wifi module				
Touch	Reponse Time		≤5 ms				
	Accuracy		±1 mm				
	Interface		USB 2.0				
	Protection Glass Thickness		Toughened glass with 9H level 7 Mohs standard				
	Operating System Support		Windows 7/8/10/Linux/Mac/Android (Linux/Mac Support one point touch)				
	Multi touch point		Max 40 points				
Android System	SoC		Quad core A55				
	GPU		Mali G52MP2				
	Internal Memory	Storage	64 GB				
		RAM	8 GB				
	Wi-Fi		802.11a/b/g/n/ac/ax (WiFi 6)				
	LAN		Gigabit LAN				
	Bluetooth		Bluetooth 5.0				

Creative Visualization
*Product suffix codes may vary as per production batch.
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