



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

LG UltraFine Display OLED Pro 65EP5Q

The Ultimate Professional OLED Monitor Designed for Broadcast and Virtual Production



OLED Performance
- True Color Reproduction:
DeltaE<2



Self Emissive Pixels
- Maximum Local Contrast



Advanced Video Formats
- HDR-10, HLG, etc.



Hardware Level Calibration
Multiple 1D, 3D LUTs

65EP5Q

Screen Size	65"
Panel Technology	OLED
Native Resolution	3,840 × 2,160 (UHD)
Brightness	2,900 / 2,200 / 1,000 / 330 nits (APL 3% / 10% / 25% / 100%)
Contrast Ratio	3,300,000:1
Portrait / Landscape	No / Yes



Diverse Input/Output Interfaces

A variety of input interfaces are provided including HDMI and SDI In/Out with BNC, and it also supports SDI over IP via SFP+ case with a SFP module. OLED Pro can transmit 12Gbps data transfer for 4K 60p images.*

* 4K 60p only supports YCbCr 4:2:2 10-bit format.



Consistent Luminance & Color Reproduction

The advanced localized brightness compensation of OLED Pro ensures consistent colors across the screen, delivering vivid tones and lifelike fidelity from any seat or angle. Whether used for a small review session or a packed presentation, every detail appears clear, precise, and uniform from edge to edge.



Professional Color Grading with 3D LUT

OLED Pro provides precise color control and creative freedom with its full support for professional 3D Look-Up Tables. Whether you're crafting cinematic visuals or monitoring live broadcast content, easily apply and adjust LUTs to reflect your exact artistic vision. This advanced color processing empowers creators and post-production teams to meet demanding visual standards, exceed client expectations, and bring unique stories to life.

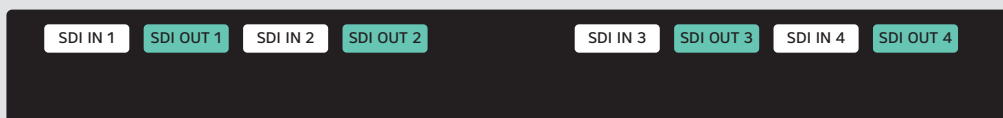


Instant, Secure Profile Switching with Password Protection

Switch instantly between up to 10 customized setting profiles—whether for different users, color spaces, or project types. Stay precise and productive across every workflow with effortless transitions between configurations. Each profile can be password-protected to help prevent unauthorized changes, ensuring your calibrated settings remain consistent, so you can focus on creating, not recalibrating.

CONNECTIVITY

Rear



Side



SPECIFICATIONS

65EP5Q-BQ

PANEL	Screen Size	65"
	Panel Technology	OLED
	Aspect Ratio	16:9
	Native Resolution	3840 x 2160 (UHD)
	Refresh Rate	120 Hz
	Brightness	2900 / 2200 / 1100 / 330 nits (APL 3% / 10% / 25% / 100%)
	Contrast Ratio	3,300,000:1
	Color Gamut	DCI-P3 99.5%
	Viewing Angle (H x V)	178° x 178°
	Color Depth (Number of Colors)	10 bit, 1.07 Billion colors
	Response Time	0.1 ms (G to G)
	Surface Treatment (Haze)	Haze 1%
	Lifetime (Typ.)	Up to 30,000 Hours
	Operation Hours (Hours/Day)	12/7 (Moving Content Only)
	Portrait / Landscape	Landscape Only
CONNECTIVITY	OLED Panel Settings to Prevent Image Sticking	TPC Auto-dimming (Temporal Peak Luminance Control), Pixel Refresher, Screen Shift, Logo Luminance Adjustment, GSR Auto dimming (Global Sticky Reduction), CPC (Convex Power Control)
	HDMI In	Yes (x2), HDCP 1.4/2.2
	RS232C In	Yes (x1), Service only
	RJ45(LAN) In	Yes (x1), 100 base-T
	USB In	Yes (x1), USB2.0 Type A
	Audio Out	Yes (x1)
	SDI In	Yes (x4), 12G x 4 - Single Link: SD / HD / 3G / 6G / 12G - Dual Link: HD / 3G_4K - Quad Link: HD_4K / 3G_4K - Quad View: SD / HD / 3G / 6G / 12G
	SFP+ In	Yes (x1), SFP+, Support only for Embrionix SDI module
	REF (Gen-Lock) In	No
	RJ45 (GPI Remote) In	No
	SDI Out	Yes (x4), Loop-through
	RJ45 (GPI Remote) Out	No
HARDWARE FEATURES	Internal Memory (eMMC)	16 GB
	Built-in Wi-Fi/BT	Yes
	Temperature Sensor	Yes
	Power Indicator	Yes
	Conformal Coating (Power Board)	Yes
	Built-in Speakers	15W x 2
	Built-in Fan	Yes
	Local Key Operation	Yes
SOFTWARE FEATURES	Operating System	webOS 8.5
	PIP	Yes
	PBP	Yes (x2)
	No Signal Image	Yes
	ISM Method	Yes
	CalMAN Compatible	Yes (including Uniformity Compensation, 9p/13p/25p, EBU Grade1)
	LG SuperSign White Balance SW Comnpatible	Yes
	LG Connect	Yes
OLED PRO FEATURES	Third-Party Control Pad Compatibility	Yes (Open API)
	Remote IP Control App (HTML)	Yes
	Color Adjustment	OLED Light, Brightness, Contrast, Chroma, Sharpness, Tint, White Balance Control
	Color Temp.	VAR Temp / 9300K / 6500K / 5400K / 3200K / D65 (6504K) / C (6774K) / D-Cinema (6302K)
	Overscan	Zero Scan, Over Scan, Under Scan
	Aspect Ratio	Auto, Original, Full Wide, 4:3, 14:9, 13:9, 1.85:1, 2.35:1, 1:1
	Zoom	2x to 5x
	HDR/SDR monitoring	Yes
	Eyesafe Certification (Less than 50% of blue light emission)	Yes
	DeltaE < 2	Yes
	Gamut	Auto / Native / BT.709 / BT.2020 / sRGB / AdobeRGB / P3 / Cali 1 BT.709 / Cali 1 BT.2020 / Cali 1 sRGB / Cali 1 AdobeRGB / Cali 1 P3
	SDI Color Format	Auto, RGB444, YCbCr444, YCbCr422
	Custom 3D LUT file Import (through USB)	Yes
	R/G/B Gain	Adjustable (0 to 1023)
	Mono/Blue Only	Yes
	Transfer Matrix	Yes
	Mastering Peak	Yes
	EOTF(Electro-Optical Transfer Function)	Auto/User/1.9/2.2/2.4/2.6/Cali 1~Cali 10
	Audio - Source Selection	Yes (SDI1, SDI2, SDI3, SDI4)
	Audio - Level Meter	Yes (Ch1 to 16, Selectable)
	Audio - Dolby Atmos	Yes (2Ch, Down mix through audio out port)
	Profile Load / Save	Profile 1 to 10
	Function Key	Function 1 to 5
	VPID	Yes
	Internal Signal Pattern	Yes

SPECIFICATIONS

65EP5Q-BQ

MECHANICAL	Bezel Color	Silver
	Bezel Width (On)	T / R / L / B: 6.2 / 6.2 / 6.2 / 11.1 mm
	Bezel Width (Off)	T / R / L / B: 1.5 mm Even Bezel
	Weight	48.5 lbs. / 22 kg
	Weight with stand	60.2 lbs. / 27.3 kg
	Shipping Weight	74.9 lbs. / 34 kg
	Monitor Dimensions without stand (W x H x D)	56.7 x 32.5 x 1.0 in. 1441 x 826 x 24.3 mm
	Monitor Dimensions with Stand (W x H x D)	56.7 x 35.8 x 10.4 in. 1441 x 910 x 263 mm
	Shipping Dimensions (W x H x D)	63.0 x 38.2 x 6.8 in. 1600 x 970 x 172 mm
	Handle	No
	VESA™ Standard Mount Interface	300 x 300
ELECTRICAL	Power Supply	100 to 240 Vac, 50/60Hz
	Power Type	Built-In Power
	Typical Power Consumption (IEC 62087)	139 W
	Max Power Consumption	450 W
	Typical Heat Dissipation (BTU/hr)	1054 BTU/hr
	Max. Heat Dissipation (BTU/hr)	1085 BTU/hr
	Power Consumption (OFF)	0.5 W
ENVIRONMENT	Operation Temperature	32 °F to 104 °F / 0 °C to 40 °C
	Operation Humidity	10 % to 80 %
REGULATORY	FCC	Class "A"
	CE	Yes
WARRANTY & OTHER	Waranty	3 Year Limited
	On-screen Display Languages	English
	Basic Accessories	Remote Control (includes 2 batteries), Installation Guide, Regulation Book, Stand (base, body, neck, cable holder, screws), AV Cover, Wall Mount Cover