



Planar QE8650

4K LCD Display

The Planar® QE8650 is a large format 4K (3840 x 2160) LCD display that is ideal for applications ranging from dynamic digital signage to collaborative meeting spaces. It supports native 4K resolution at up to 60Hz via HDMI 2.0 and DisplayPort 1.2, enabling smooth motion video and mouse tracking. Users can view four sources simultaneously in quad layout and receive remote monitoring alerts via email when a designated event occurs. For precise image control, adjustments can be made within each of the four zones allowing users to optimize the picture quality at the source level. Operating without fans, it provides whisper quiet operation and reduced points of failure.



SPECIFICATION	DETAIL
Product Name	Planar QE8650
Planar Part Number	997-8797-01
Display Resolution	Ultra HD (3840 x 2160)
Screen Size	86 in. (diagonal)
Aspect Ratio	16:9
Display Active Area	74.6" x 42.0" (1895mm x 1066mm)
Cabinet Dimensions (W x H x D)	75.8" x 43.2" x 3.3" (1926mm x 1097mm x 84mm)
Bezel Width	0.61" (15.6mm) left/right; 0.62" (15.7mm) top/bottom
Brightness (typ)	500 nits
Response Time (typ)	6 ms
Frame Rate	120Hz
Contrast Ratio (typ)	1200:1
Contrast Ratio - Dynamic	20,000:1
Viewing Angle (typ)	178°
Color Gamut	72% NTSC
Display Color	>1 billion colors. Full 10 bit data path
Modes	3840x2160 @ 24/25/30/60Hz; 1920x1080 @ 24/25/30/50/60Hz; 480p, 576p, 720p @ 50/60 Hz; 1080p @ 24/25/30/50/60Hz; 1080i @ 50/60 Hz
Pixel Pitch	0.429 mm
Weight	126 lbs (57 kg)
Backlight	LED

Line Voltage	100-240V; 50/60Hz
Power Consumption (typ)	165W (standby: <1W)
Operating Temperature	0° to +35°C (32° to 95°F) at up to 1500m, 0° to +30°C (32° to 86°F) at up to 3000m
Humidity	20 - 85% RH (non-condensing)
Approvals	FCC Class A, cTUVus, RoHS
External Connections	DisplayPort 1.2 x 1, HDMI 2.0 x 2 (HDCP 2.2), HDMI 1.4 x 2
Audio Output	PC Line Out, S/PDIF
Multi-Source Views	Quad only
Display Control	IR, RS-232, LAN, Keypad
Speakers	10W x 2 built-in
Orientation	Landscape/Portrait
Mounting	VESA: 600 x 400 mm
Fanless	Yes
HD format	4K UHD 2160p
Display Technology	Edge-lit LED LCD
Haze	3%
Surface Treatment	AG
Recommended Usage	Up to 24x7 operation
Warranty	3 years Advance Exchange
Options / Features	TAA compliant
In the Box	QE8650 display, power cord, IR sensor, remote control, and USB drive containing User Manual and USB-to-serial driver
UPC	8 10689 00739 5

For more information, please visit www.planar.com

Specifications are subject to change without notice.

Specification Report Date: 3/11/2021

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