Immersive 4K for Digital Signage

Planar® UltraRes™ Sereis is a family of 84" Ultra HD (3840 x 2160) displays that produce resolution and picture quality not before seen in large format LCD displays.   Designed specifically for resolution-rich commercial applications, Planar UltraRes Series displays offer the image quality, connectivity, industrial design and configuration options required in leading digital branding installations.

Planar UltraRes Series displays uniquely combine large screen area and high pixel density ideal for the displaying and viewing of the highest quality, resolution-rich video and still images.   In environments such as retail, corporate lobbies or other high-end public spaces, the Planar UltraRes Series, deployed either in landscape, portrait or pedestal modes, provides the ultimate visual display surface on which to communicate brand, ambiance and quality.

Optimized for leading resolution-rich commercial applications

84" Planar UltraRes Series displays create impact from a distance while preserving every detail up

8 MEGAPIXELS OF PERFECTION

With a native resolution of 3840 x 2160, Planar UltraRes Series has four times the resolution and pixel density of comparably sized full HD displays. Displaying Ultra HD content, the result produces clarity and detail that appears sharp even at close viewing distances. No detail is missed. A single Planar UltraRes Series display provides the same resolution and similar screen area to that of a 2x2 narrow bezel LCD video wall, but with no bezels in the display area.

Planar UltraRes Series incorporates advanced display technology that further enhances image quality. With features such as 120Hz response rate, 10bit color depth, local dimming for enhanced contrast, high brightness panel options and support for full 4K at 24Hz or 60Hz frame rate, Planar UltraRes Series provides a no-compromise image quality not possible with other display technologies.

BUILT BY PROFESSIONALS, FOR PROFESSIONALS

Planar UltraRes Series is designed from the ground up for commercial installations. The displays incorporate the latest standards in digital video and data capture – 4x HDMI 1.4 and 4x DisplayPort 1.1 – so that multiple 4K sources can be captured, switched between and displayed in native resolution. The displays have been tuned and tested with range of the most popular professional graphics cards, players and content sources in order to make solution deployment easier and more successful.

Leading brands today commonly have a trove of high-quality digital video assets designed to communicate and amplify their brand. With the availability of low-cost cinema-quality 4K and 5K cameras and editing equipment, there is no reason to settle for lower quality visual assets. But that quality is lost on lower resolution displays. Planar UltraRes Series is designed to fill that gap.

Planar UltraRes Series Touch supports 6 simultaneous touch points for multi-user interaction

4K TOUCH EXPERIENCE

Planar UltraRes Series Touch offers the latest in multi-user, multi-touch technology integrated right into the display. Planar UltraRes Series Touch displays supports 6 simultaneous points of touch with pinpoint accuracy and support for gesture applications across the most popular operating systems.

The displays incorporate Planar's ERO™ optically-bonded low friction, protective glass and are ideal for applications such as way-finding, product catalogue browsing, video selection or any interactive application designed to engage customers. Featuring outstanding pixel density, even fine text looks sharp to up-close touch users.

Planar Profile™ Tiling Kit allows two or more displays to be tiled together for a compelling multi-display surface

Elegant, slim design packs-in many innovative and practical features

FORM WITH FUNCTION

When paired with the Planar Profile™ Mounting System, Planar UltraRes Series displays install just over 3" from the wall, making them compliant with the Americans with Disabilities Act (ADA), and incorporate a tilt-and-access capability for full front service access. The displays can also be locked-down for security.

Planar Profile™ Mounting System supports both landscape and portrait installations. The displays incorporate a failover power supply design as a standard feature and a modular construction for easy repairs. The Planar UltraRes Series displays are fan-less, whisper quiet and incorporates energy-efficient features, such as <0.5 watt standby mode, auto-off signal detection and the latest generation LED backlight technology.

CONFIGURABLE TO YOUR ENVIRONMENT

Planar UltraRes Series is offered in three base models designed to meet different commercial needs. These include the UR8450-LX 350nit version for lower-light environments, the UR8450-MX 500nit version that offers greater brightness and supports landscape or portrait installations, and the UR8450-3D 420nit version that can move seamlessly between 2D and passive glasses, continuous stereo 3D content. The UR8450-MX can be installed either single or double-sided in Planar's free-standing pedestal that helps create a high-impact, flexibly-deployed installation.

With the addition of the Planar Profile™ Tiling Kit, two or more Planar UltraRes Series displays can be tiled horizontally in a way that minimizes the image-to-image gap and that allows the installer to more easily achieve a perfectly flat and uniform multi-display surface. For environments that require more screen real estate, this unique installation approach creates a compelling video wall alternative.

Planar Profile Mounting System:

- *Slim profile (~3" installed) makes display ADA compliant*
- *Kick-stand tilts display away from the wall for front-service access to electronics*
- *Lockable for added security*

Operating mode   *Service access mode*

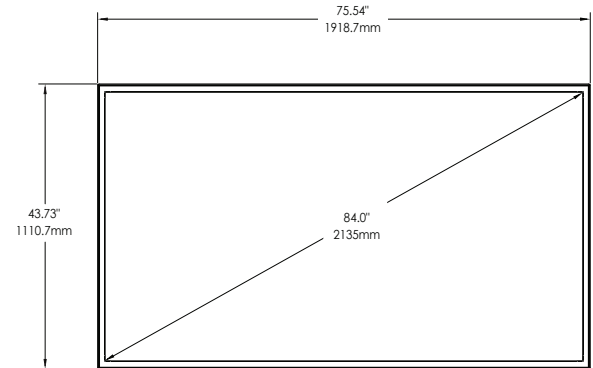*Optional pedestal for free-standing single and double-sided installation*

PLANAR ULTRARES SPECIFICATIONS

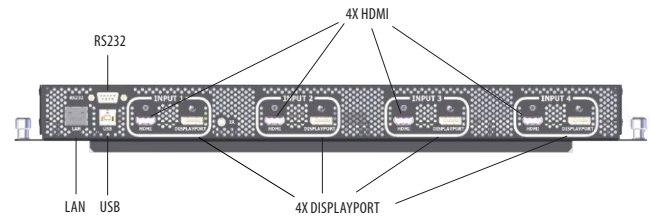|	UR8450-LX	UR8450-MX	UR8450-3D
Screen diagonal	84"		
Native Resolution	3840 x 2160		
Display technology	LCD		
Backlight type	LED		
Brightness (maximum)	350 nits	500 nits	420 nits
3D support	No	No	Yes
3D type	N/A	N/A	Passive glasses continuous stereo video
Display orientation	Landscape	Landscape / Portrait	Landscape
Front surface	Low-reflectance/ matte		Anti-reflectance/gloss
Contrast ratio (dynamic)	500,000:1		
Contrast ratio (full field typical)	1600:1		
Contrast type	Dynamic contrast with local dimming		
Colors	>1 billion colors. Full 10 bit data path		
Internal frame rate	120 Hz		
Response time	5 ms (gray to gray)		
Viewing angle	178 degrees		
Connectivity	4 x DisplayPort 1.1a; 4 x HDMI with Deep Color and 4K support; 1 x RS-232; 1 x LAN; 10/100BaseT; 1 x USB 2.0; 1 x IR		
Modes	1x 3840x2160 @ 24/25/30Hz; 4x 1920x1080 @ 24/25/30/50/60Hz 4x 960x2160 @ 60Hz; 2x 1920x2160 @ 60Hz		
Digital content protection	HDCP compliant		
Acoustic noise	Fanless operation		
Power consumption (typical)	460W		
Power supply failover	Standard		
Standby power	<0.5 W		
Auto-off signal detection	User selectable: on/off		
Line voltage	100 - 240VAC, 50/60Hz		
Operating Temperature	0°C to 40°C, up to 10,000' altitude		
Storage Temperature	-20°C to 60°C		
Operating Humidity	Up to 85% RH, non-condensing		
Control	IR, RS-232, USB; LAN		
Control App/Management	UltraRes™ Control; Web interface; SNMP		
Mounting	VESA mount points (600 x 400); Planar Profile™ Mounting System		
Horizontal tiling	Planar Profile™ tiling kit		
Front Service Access	With Planar Profile™ Mounting System		
Cabinet dimensions (WxH)	75.5" x 43.7" (1918.7mm x 1110.7mm)		
Display depth without mount	3.05" (77.5mm)		
Display depth with mount	3.17" (80.5mm) Americans with Disabilities Act (ADA) compliant		
Bezel width	1.14" (29.1mm) left/right; 1.26" (32.1mm) top/bottom		
Image-to-image gap with tiling kit	1.77" (45mm)		
Weight	180 lbs (82kg)		
Pedestal (Optional)	Portrait-mode single and double sided. Supports UR8450-MX only.		
Floor stand (Optional)	VESA attached		
Safety certifications	FCC Class A, EN55022/CISPR22, ICES-003, EN55024, EN60950-1, CE, cTUVus, EU RoHS		
Warranty	3 year advance exchange. Extendable to 5 years.		

TOUCH SPECIFICATIONS

	UR8450-LX-ERO-B-T UR8450-MX-ERO-B-T UR8450-3D-ERO-B-T
Touch Points	6 simultaneous
Response time	7 - 16 ms
Connectivity source	USB 2.0
Power to touch system	100-240V AC, 50-60 Hz
OS compatibility	Windows 8/7/XP, Mac OS X, Linux
Cabinet Dimensions with Frame (WxH)	77.34" x 45.27" (1964.4mm x 1149.9mm)
Display depth without mount	3.71" (94.2 mm)
Display depth with mount	3.83" (97.3 mm) Americans with Disabilities Act (ADA) compliant
Touch bezel width	1.95" (49.5 mm)
Touch display weight	240 lbs (109kg)
Glass	3 mm; Planar's ERO™ Optically-bonded vandal glass

Front

Inputs

Touchboards

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When image experience matters.