



### Immersive 4K for Professional Applications

Planar® UltraRes™ Series is a family of 84" and 98" ultra HD resolution (3840 x 2160) displays that produce resolution and picture quality not before seen in large format LCD displays. Designed specifically for resolution-rich professional applications, Planar UltraRes Series displays offer the image quality, connectivity, industrial design and configuration options required in these mission-critical environments.

Planar UltraRes Series displays uniquely combine a large screen area and high pixel density ideal for group viewing and collaboration around high-resolution visual information in team rooms and conference rooms. In applications such as energy production and distribution, geospatial intelligence, visualization and simulation, engineering design, process control, command center collaboration or digital signage, the Planar UltraRes Series provides the ultimate visual display surface.

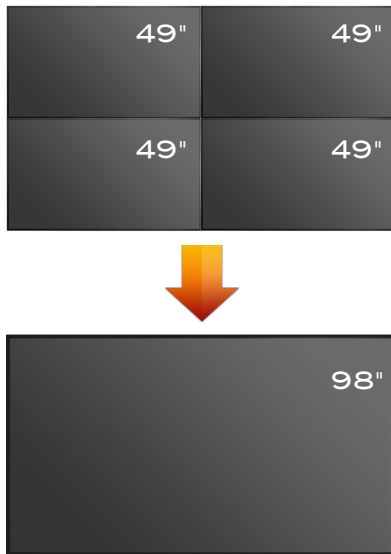


# Optimized for leading resolution-rich commercial applications

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

## 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 provides a seamless, single display solution*

## 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 and 4x DisplayPort – so multiple 4K sources can be captured, switched between and displayed in native resolution. The displays have been tuned and tested with the most popular professional graphics cards, players and content sources to make solution deployment easier and more successful for applications including:

[Geospatial](#)

[Oil and Gas Exploration and Production](#)

[Digital Signage](#)

[Computer Aided Design \(CAD\)](#)

[Architecture](#)

[Visualization and Simulation](#)

[Training Centers](#)

[Digital Post-Production](#)

[Control Room](#)

[Collaborative Conference Room or Team Room](#)



*32 points of multi-user, multi-touch technology*

## 4K TOUCH EXPERIENCE

Planar UltraRes Touch offers the latest in multi-user, multi-touch technology integrated right into the display. With 32 points of touch, Planar UltraRes Touch delivers pinpoint accuracy and support for gesture applications across the most popular operating systems.

The touch displays incorporate Planar's ERO™ (Extended Ruggedness and Optics) technology to provide superior durability, optical performance and touch accuracy 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.

# Elegant, logo-free design that packs-in innovative and practical features

Planar UltraRes Series displays incorporate a range of features designed to optimize installation, performance and reliability.

## PLANAR PROFILE MOUNTING SYSTEM

When paired with the Planar Profile™ Mounting System, Planar UltraRes Series installs less than four inches from the wall, making it compliant with the Americans with Disabilities Act, and incorporates a tilt-and-access capability for full front service access that can be locked down for security.

## EFFICIENT POWER MANAGEMENT

Planar's UltraRes Series displays are fanless, whisper-quiet and incorporate energy-efficient features, such as lower power consumption, <0.5W standby mode, auto-off signal detection, and the latest-generation LED backlight technology. The displays also incorporate a failover power supply design as a standard feature, enabling continuous operation in the event of a power supply failure.

## MEDIAPLEX SOFTWARE

UltraRes MediaPlex™ software enables up-scaling, down-scaling, and quadrant view functionality for more efficient use of a large 84" or 98" screen area. With UltraRes MediaPlex software, up to eight directly attached sources can be viewed, four at a time, in full HD quadrants within a Planar UltraRes Series display. Whether sources are full HD, sub-1080 or 4K, they can all be viewed in the 1080 quadrants and, upon command, be up-scaled to fill the entire 4K display area.

## 3D SUPPORT

The UR9850 and UR8450-3D models can move seamlessly between 2D and passive glasses, continuous stereo 3D. The use of passive glasses greatly minimizes fatigue and eye strain when viewing 3D images and facilitates hours of comfortable use. Planar UltraRes 3D can display conventional 2D images, maintaining the capability of a multi-purpose, ultra high resolution display.

## SUPPORTS TRUE 4K @ 60HZ

The Planar UltraRes Series supports native 4K resolution at up to 60Hz, enabling smooth motion video and mouse tracking. True 4K at 60Hz can be driven via single-cable HDMI 2.0 or with dual or quad cable DisplayPort. With four HDMI and four DisplayPort inputs, it is possible to support up to six simultaneous 4K @ 60Hz sources on the Planar UltraRes Series displays.



**Planar Profile Mounting System**

- Slim profile makes display ADA compliant
- Kick-stand tilts display away from the wall for front-service access to electronics
- Lockable for added security



**MediaPlex Software**

MediaPlex software's up-scaling, down-scaling and quadrant view functionality comes standard in every Planar UltraRes Series display



**Planar UltraRes Series 3D**

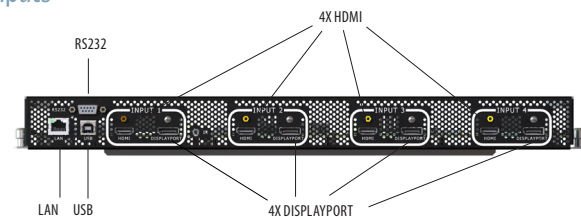
Passive glasses, continuous stereo 3D as well as 2D

PLANAR ULTRAES SERIES SPECIFICATIONS				
	UR8450-LX	UR8450-MX	UR8450-3D	UR9850
Screen diagonal	84"			98"
Native Resolution	3840 x 2160			
Display technology	LCD			
Backlight type	LED			
Brightness (maximum)	350 nits	500 nits	420 nits	500 nits
3D support	No	No	Yes	Yes
3D type	N/A	N/A	Passive glasses continuous stereo video	Passive glasses continuous stereo video
Display orientation	Landscape	Landscape / Portrait	Landscape	Landscape
Contrast ratio (dynamic)	500,000:1			20,000:1
Contrast ratio (Full field typical)	1600:1			1300:1
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			
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; 1 x USB 2.0; 1 x IR			
Modes	1x 3840x2160 @ 24/25/30Hz; 1x3840x2160 @ 60Hz (HDMI 2.0); 4x 1920x1080 @ 24/25/30/50/60Hz; 4x 960x2160 @ 60Hz; 2x 1920x2160 @ 60Hz; 480p, 576p, 720p @ 50/60 Hz; 1080p @ 24/25/30/50/60Hz; 1080i @ 50/60 Hz			
Scaling	Upscaling to 1080 quadrant and to 4K full screen. Downscaling 4K to 1080 quadrant			
Digital content protection	HDCP compliant			
Acoustic noise	Fanless operation			
Power consumption (typical)	460W			520W
Power supply failover	Included			
Standby power	<0.5 W			
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 600mm x 400mm; Planar Profile™ Mounting System			VESA 800mm x 600mm; Planar Profile™ Mounting System
Cabinet dimensions (WxH)	75.5" x 43.7" (1918.7mm x 1110.7mm)			86.7" x 49.5" (2202.5mm x 1257.5mm)
Display depth without mount	3.1" (77.5mm)			3.6" (91.3mm)
Display depth with mount	3.2" (80.5mm)			3.6" (91.6mm)
Bezel width	1.14" (29.1mm) left/right; 1.26" (32.1mm) top/bottom			0.86" (21.9mm) left/right; 0.85" (21.6mm) top/bottom
Weight	180 lbs (82kg)			210 lbs (95kg)
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.			

UR8450 TOUCH SPECIFICATIONS	
	UR8450-LX-ERO-B-T UR8450-MX-ERO-B-T UR8450-3D-ERO-B-T
Touch Points	32 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)	75.8" x 43.9" (1924.3mm x 1115.9mm)
Display depth without mount	3.5" (88.5mm)
Display depth with mount	3.6" (91.5mm), Americans with Disabilities Act (ADA) compliant
Touch bezel width	1.3" (33.0mm)
Touch display weight, including mount	235 lbs (107 kg)
Glass	2mm; Planar's ERO™ optically-bonded technology featuring Corning® Gorilla® Glass

UR9850 TOUCH SPECIFICATIONS	
	UR9850-ERO-B-T
Touch Points	32 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)	87.0" (2210.0 mm) x 49.80 (1265.0 mm)
Display depth without mount	3.95 (100.4 mm), Americans with Disabilities Act (ADA) compliant
Display depth with mount	3.96" (100.7 mm)
Touch bezel width	.97" (24.7mm) left/right; .97" (24.8mm) top/bottom
Touch display weight, including mount	340 lbs (136 kg)
Glass	Planar's ERO optically-bonded glass technology

## Inputs



When image experience matters.

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