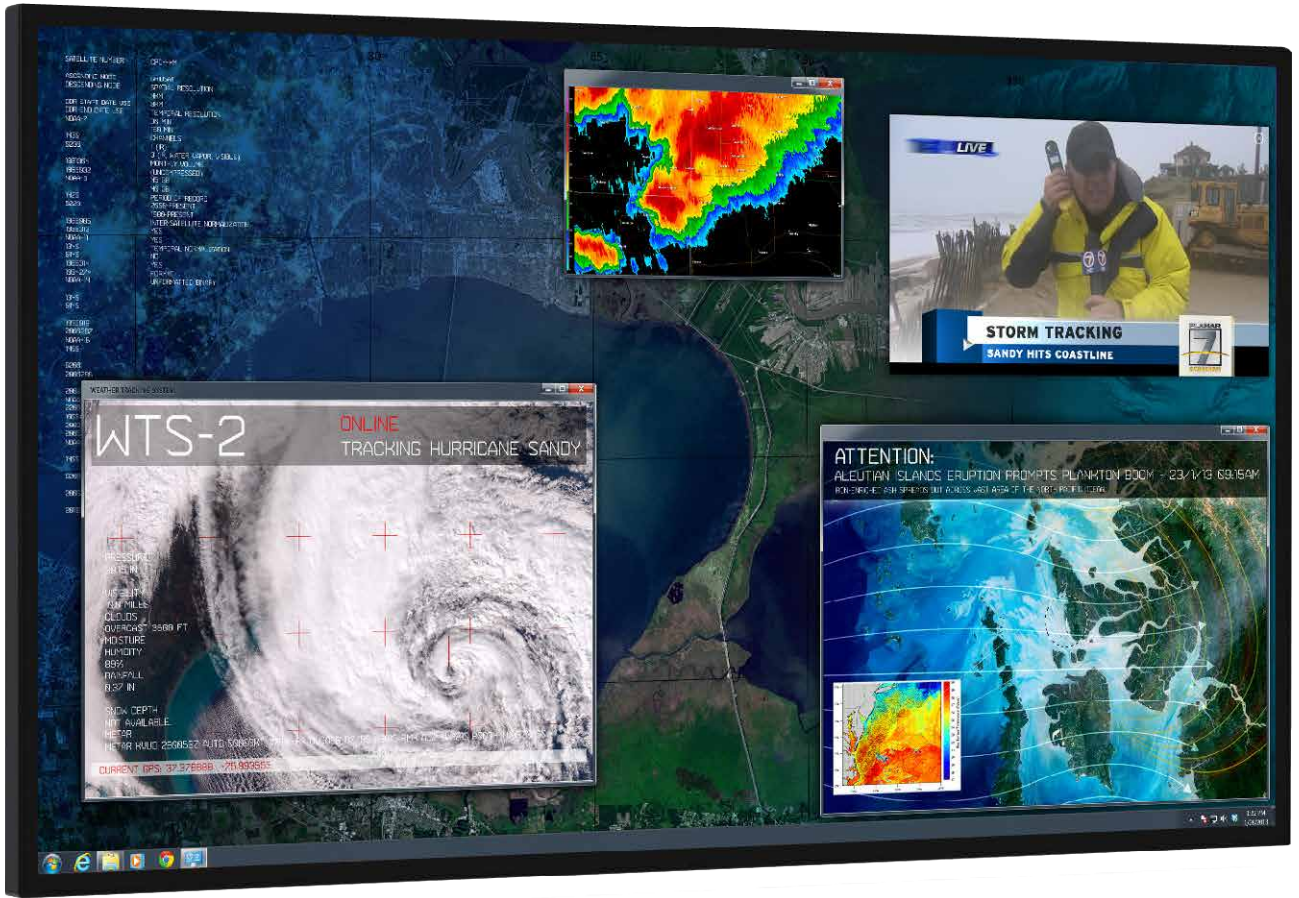


Planar UltraRes 4K 3D-Stereo Touch-Displays



- 75“, 84“ and 98“ LCD-Displays
- UHD-resolution, 8 MP (3.840 x 2.160)
- Native 4K-Resolution@60Hz
- Passive 3D-Stereo and Tracking
- 32 points Multi-touch system
- Innovative mounting solution

Immersive 4K for Professional Applications



Touch
3D
4K

Planar® UltraRes™ Series is a family of 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 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 or command center collaboration, the Planar UltraRes Series, deployed either individually or tiled horizontally to create a video wall, provides the ultimate visual display surface.

Optimized for leading resolution-rich commercial applications

Designed inside and out to meet the demanding requirements of professional high resolution visual collaboration.

8 Megapixels of Perfection

The Planar UltraRes has four times the resolution and pixel density of a comparably-sized Full HD display. 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 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.

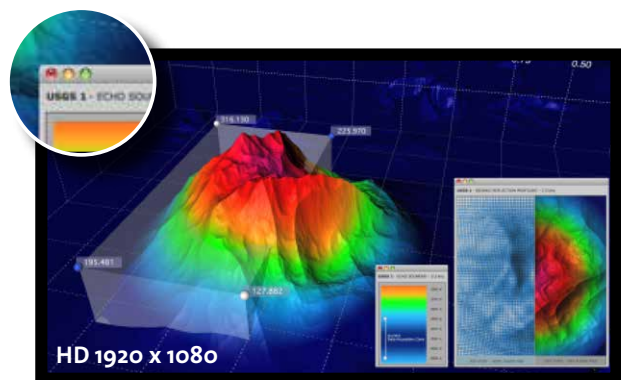
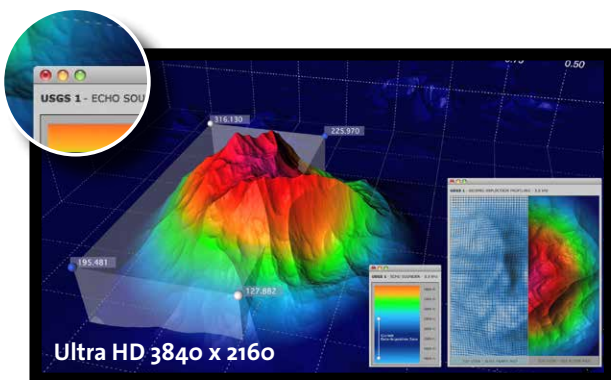
Planar UltraRes incorporates advanced display technology to further enhance image quality. With features such as 120Hz response rate, 10bit color depth, local dimming for enhanced contrast, high brightness panel options and support for full 4K at 60Hz frame rate, Planar UltraRes provides no-compromise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

Built By Professionals, for Professionals

Planar UltraRes is designed from the ground up for commercial applications. The display incorporates the latest standards in digital video and data capture – 2x HDMI 2.0 with HDCP 2.2 support, 2x HDMI 1.4 and 1x DisplayPort 1.2 – so that multiple 4K sources can be captured, switched between and displayed in native resolution. The display has been tuned and tested

with a range of the most popular professional graphics cards, controllers and content sources in order to make solution deployment easier and more successful for applications, including:

- Geospatial
- Oil and Gas Exploration and Production
- Process Control
- Computer Aided Design (CAD)
- Architecture
- Visualization and Simulation
- Medical Imaging
- Digital Post-Production
- Science – Academic Research and Commercial
- Financial Decision Room
- Control Room
- Collaborative Conference Room / Team Room
- Digital Signage



Planar UltraRes has four times the resolution and pixel density of a comparably-sized full HD display.

Planar UltraRes Series 75", 84" and 98" 4K LCD Displays

Professional LCD displays with best-in-class image and color quality for native 4K and upscaled content.

Superior 4K Video Performance

The Planar UltraRes Series supports native 4K resolution at up to 60Hz via HDMI 2.0 and DisplayPort 1.2, enabling smooth motion video and mouse tracking. Compatible with new and emerging 4K sources, the Planar UltraRes Series HDMI 2.0 inputs are HDCP 2.2 compliant. For added flexibility, all Planar UltraRes Series displays come standard with expansion slots that support Intel's Open Pluggable Specification (OPS), making them compatible with a variety of OPS devices.

Enhanced Durability and Clarity

Planar UltraRes Series displays are available with optional Planar® ERO™ (Extended Ruggedness and Optics™) technology, which features an optically-bonded glass front that protects the LCD from damage in high traffic, public environments. Planar UltraRes Series displays with Planar ERO also improves perceived contrast by more than 300 percent, giving viewers the highest quality visual experience, making it more readable and impactful, even in bright public venues.

Highlights

- 75", 84" and 98" Ultra HD resolution (3840 x 2160) LCD displays
- Supports native 4K at up to 60Hz with HDMI and DisplayPort
- 1,07 billion colors. Full 10 bit data path
- Advanced multi-source viewing with Planar MediaPlex Plus processing
- Fanless, whisper quiet operation with built-in power redundancy, significantly reduced failure risk
- Optional Planar Profile Mounting System enables the industry's thinnest mounted depth
- Touch and Planar ERO models available
- Low cost, reliable passive glasses
- Flicker-free, full resolution
- Effortlessly move between 2D and 3D content with today's latest generation graphics cards



Planar UltraRes 3D-Stereo 3D 4K LCD Displays

Ultra HD LCD display that can move seamlessly between 2D and continuous stereo 3D with passive glasses.

Stunning 3D Realism at 4K Resolution

Planar UltraRes 3D uses film-type patterned retarder technology to display two images at once using line division, each circularly polarized to be visible to one eye at a time. The result is brighter 3D than active alternatives on 98" large format LCD displays.

2D or 3D

Planar UltraRes 3D can display conventional 2D images, maintaining the capability of a multi-purpose, ultra high resolution display. Planar UltraRes 3D is compatible with numerous graphics cards and 3D visualization software tools in various applications, including:

- Data Visualization
- Molecular Modeling
- Engineering and Design
- 3D Production Review
- Oil and Gas Exploration
- Simulation and Training

Highlights

- Ultra HD resolution (3840 x 2160) LCD displays
- Move seamlessly between 2D and passive glasses, continuous stereo 3D
- Passive glasses deliver hours of comfortable use
- Brighter 3D than active alternatives on large flat panels
- Performance scaling with up to 4 slave workstations

Passive Glasses

The Planar UltraRes 3D uses passive glasses, which greatly minimize fatigue and eye strain when viewing 3D images and facilitates hours of comfortable use. They are lightweight, relatively inexpensive and include no electronic or moving parts.



Tracking-Solutions for Planar UltraRes Series

Consisting of single intelligent tracking cameras and one central controller with DTrack2 software. Fully scalable from 2 to 50 cameras, up to 45 6DOF targets simultaneously tracked.

ARTTRACK systems

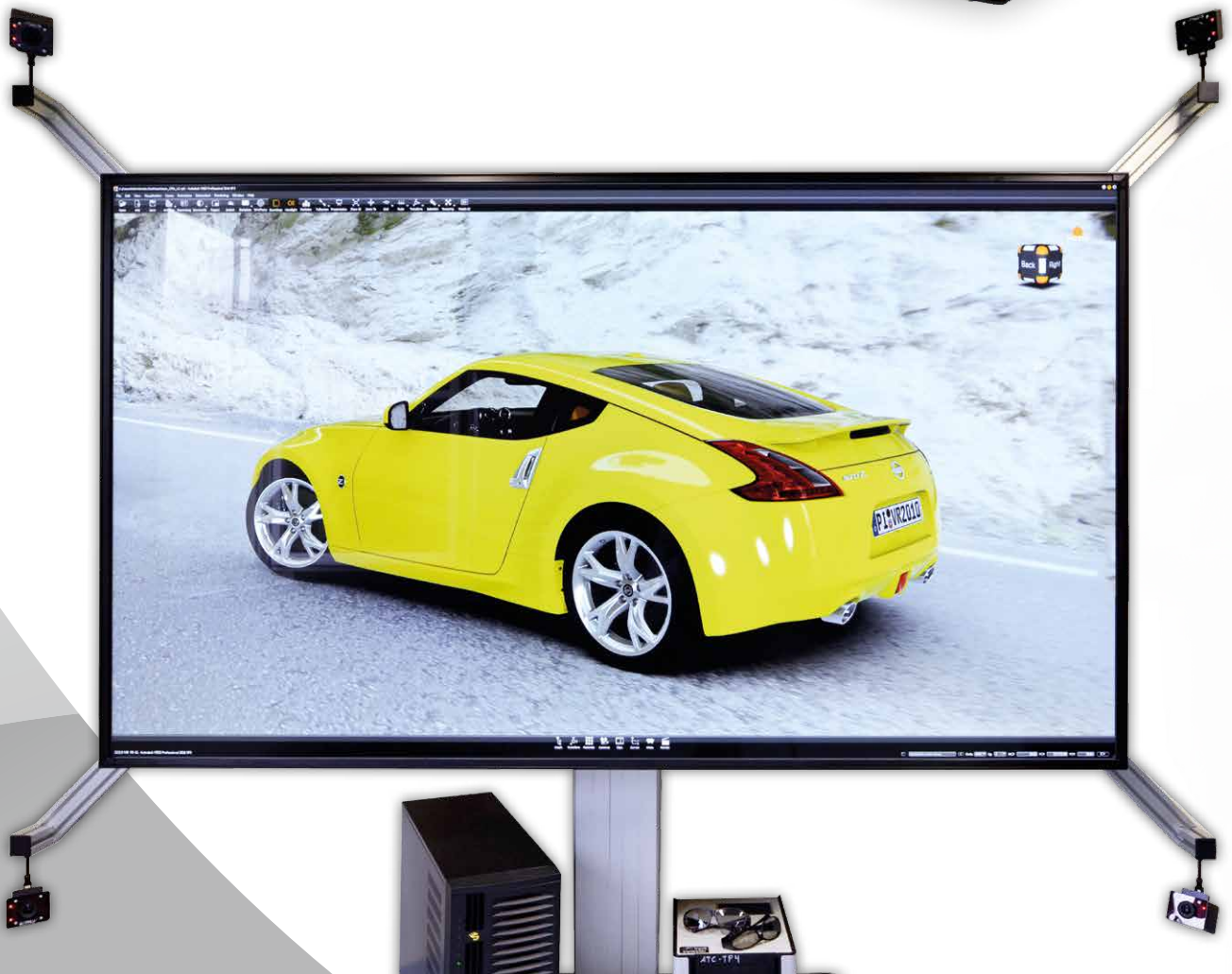
Consisting of single intelligent tracking cameras and one central controller with DTrack2 software. Fully scalable from 2 to 50 cameras, up to 45 6DOF targets simultaneously tracked. The current model ARTTRACK5 can be arbitrarily combined with its antecessors ARTTRACK2 and ARTTRACK3, as well as with TRACKPACK cameras.

TRACKPACK systems

Available in a 2- up to 8-camera version connected to one ART Controller with DTrack2 software. TRACKPACK systems are recommended for medium sized tracking volumes and can be combined with ARTTRACK5 and ARTTRACK5/C cameras.

SMARTTRACK systems

A fully integrated stereo camera system for small tracking volumes. It contains 2 cameras and one controller with DTrack2 software in a compact housing. Tracking of up to 4 targets simultaneously.



Planar UltraRes Touch

Multi-user, Multi-touch 4K Displays

32 points of multi-touch, multi-user technology, making it easy for multiple users to collaborate and interact at the same time.

32 points of multi-touch

Planar® UltraRes™ Touch combines a 75", 84" or 98" multi-touch experience with stunning 4K image clarity. It offers a best-in-class solution for professionals who seek to collaborate or annotate using a large viewing area, the highest image resolution and enterprise-level features. It is also ideal for public display applications such as way-finding, product catalogs and any interactive digital signage designed to promote customer engagement. Planar UltraRes Touch offers 32 points of multi-touch, multi-user technology, making it easy for multiple users to collaborate and interact at the same time.

4K Accuracy

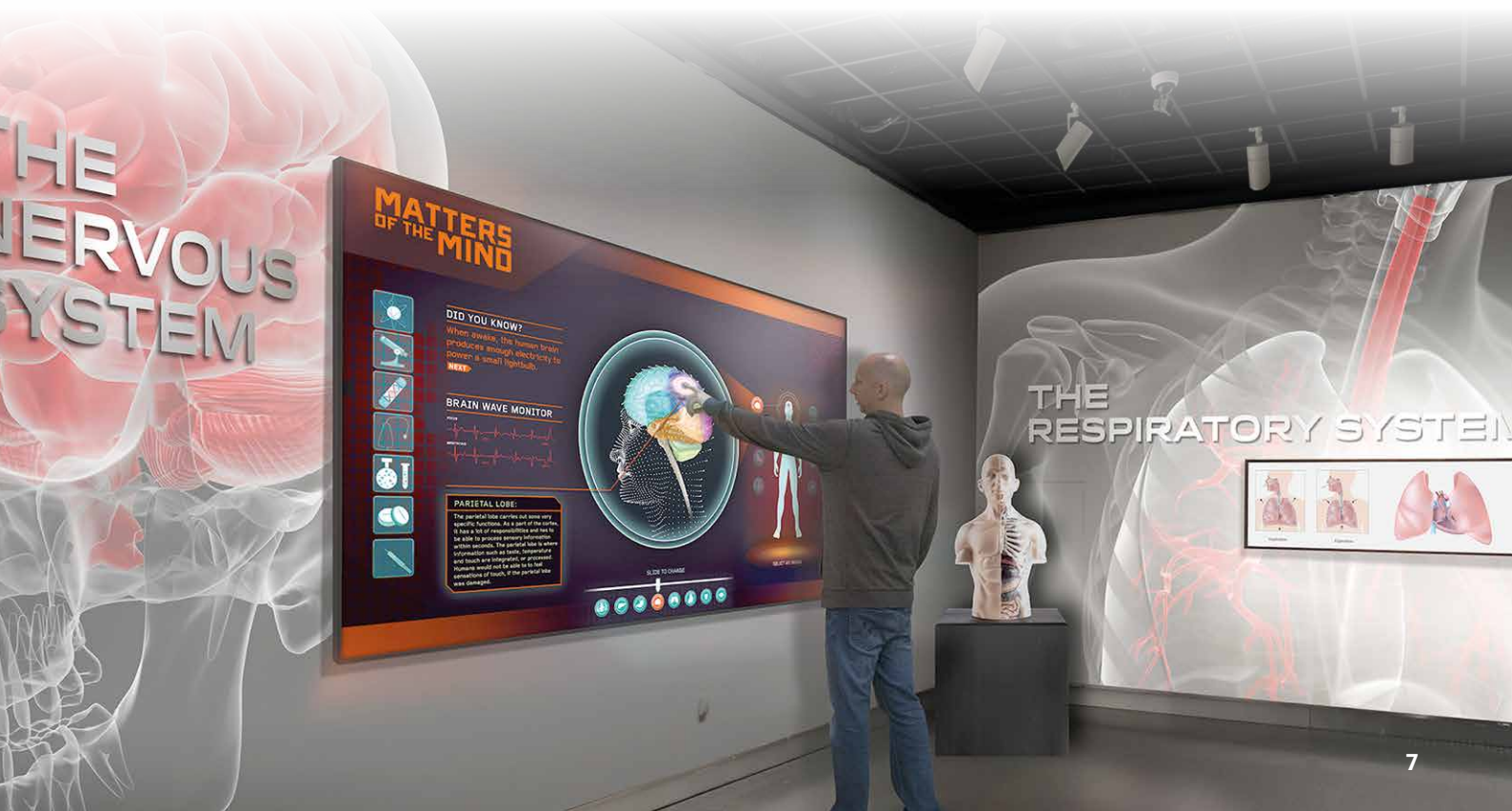
With a native 4K resolution of 3840 x 2160, Planar UltraRes Touch displays provide four times the resolution of a Full HD display for amazing clarity. Touch brings viewers closer to the display and Planar UltraRes Touch delivers razor-sharp clarity even at close viewing distances.

Integrated Design

With touch technology designed and built into the display, Planar UltraRes Touch is a fully integrated solution, delivering an elegant design and more accurate multi-touch experience. These displays offer a precise 32-point touch solution without the hassle, design, and performance disadvantages of a bulky overlay.

Highlights

- Features 32 points of multi-touch, multi-user technology
- Integrated design – no bulky overlay
- Features Planar ERO technology for increased ruggedness and optics
- Optional Planar Profile Mounting System enables the industry's thinnest mounted depth
- Touch and Planar ERO models available



Technical Specs and Details

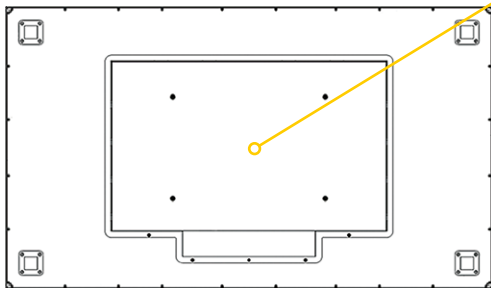
Planar UltraRes Series

With features required for professional and commercial applications, Planar displays are much more than a television.



Industrial Design Matters

- Slim metal bezel
- Logo free
- Place-able IR sensor
- Vesa or Planar Profile mounting
- Front service access - Lockable
- Field serviceable
- Easy connectivity access
- Redundant power
- Fanless (whisper quiet)



Kickstand mode

mounted

Planar Profile Mounting System – Industry slimmest wall mount

- Ultra slim mounting profile (3.6" no touch, 4.1 touch)
- Kickstand mode enables easy access to inputs and removable service components
- Locks in place
- Landscape and portrait options



Extended Ruggedness and Optics (ERO)

- Protective glass optically bonded to the front surface of the display with Planar® ERO™ (Extended Ruggedness and Optics™) technologie
- Planar ERO option is available on all Planar UltraRes Series models
- Improved perceived contrast
- Edge-to-edge glass front similar to the sleek look of smart phones and tables
- Enhanced durability and ruggedness for added protection in high traffic environments
- Hardened ERGO-glass is shatterproof, writable, surface can withstand sticky tape and easy to clean

Mounting-Solution for Planar UltraRes Series

Adjustable full electric Mounting System extendable to VESA 800-400 for fixed and rental installation.

Mounting-Solution – Floor column

This is a floor column for Planar UltraRes Displays with a VESA mount what makes this product so unique is its screen flexibility and installation ease, within just three steps the product is installed and ready for use. These wheeled stands with electrical height adjustment (possible with a remote control) have continuous and silent height adjustment and an integrated screen bracket containing most VESA patterns, making it suitable for almost every display. The embedded VESA bracket has another special feature, it can be used as support for a Desktop PC at the back.

Highlights

- Full mobile and flexible transportation thanks to rolls
- Electrical high adjustment with remote control
- Adjustment from 120 to 190 cm (center screen)
- Massive solid construction with aluminium and metal
- Storage for Workstation or mini-PC
- lockable back cover for remote controls or Mini-PCs



Planar UltraRes App for iOS and Android

Manage multi-source viewing on Planar UltraRes Series displays with your phone or tablet



Control the display's built-in Planar® MediaPlex

Planar® UltraRes™ Series 75", 84" and 98" LCD displays offer superior 4K clarity for professional applications. The Planar® UltraRes™ App for iOS and Android controls the display's built-in Planar® MediaPlex™ Plus functionality, which allows users to:

- Select from up to 6 connected content sources
- Switch between single, dual, triple, quad, or picture-in-picture (PiP) layouts
- Recall saved preset configurations
- Create custom names for inputs
- Hide unused inputs
- Power on and off the display



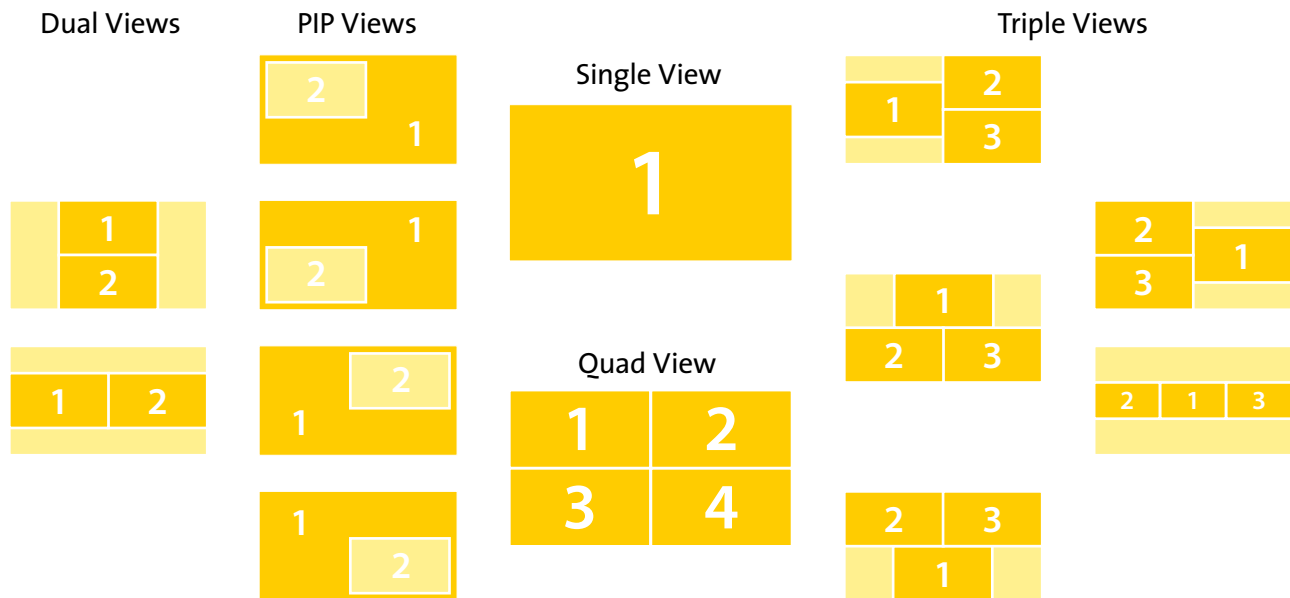
Planar UltraRes Series Models - Multi-Source Layouts - 4K Video Support

Introducing Planar MediaPlex Plus Processing Advancing multi-source management to the next level.

Stunning 3D Realism at 4K Resolution

<p>98"</p> <p>UR9851 UR9851-ERO UR9851-ERO-B-T UR9851-3D UR9851-3D-ERO UR9851-3D-ERO-B-T</p> <p style="text-align: right;">1.258 cm</p> <p style="text-align: center;">2.203 cm</p>	<p>84"</p> <p>UR8451-LX UR8451-LX-ERO UR8451-LX-ERO-B-T UR8451-MX UR8451-MX-ERO UR8451-MX-ERO-B-T</p> <p style="text-align: right;">1.111 cm</p> <p style="text-align: center;">1.919 cm</p>	<p>75"</p> <p>UR7551-LX UR7551-LX-ERO UR7551-LX-ERO-B-T</p> <p style="text-align: right;">969 cm</p> <p style="text-align: center;">1.691 cm</p>
6 Models	6 Models	3 Models

Multi-Source Layouts



Highlights

- View multiple sources simultaneously in dual, triple, quad, or PiP layouts
- Switch sources and layouts quickly and make precise image adjustments by source
- Save and recall preset configurations
- Schedule events including on/off times, preset recalls, and more backlight adjustment
- Select and switch audio sources
- Cluster connection consisting of 4 slave workstations and a master workstation by using the DP 1.2 input

PLANAR ULTRARES SERIES					
Model	UR7551	UR8451-LX	UR8451-MX	UR9851	UR9851-3D
Screen diagonal	75"	84"		98"	
Native Resolution	3,840 x 2,160				
Brightness (typ)	450 cd/m2	350 cd/m2	500 cd/m2	500 cd/m2	500 cd/m2
Color depth	10 bit color, 1.073 billion colors (local dimming)				
Backlight type	D-LED	E-LED		D-LED	
Bezel width	0.8" (20 mm)	1.1" (29 mm) left/right; 1.3" (32 mm) top/bottom		0.9" (22 mm)	
Recommended usage	All-day		24 x 7		All-day
Orientation	Landscape	Landscape	Landscape / Portrait	Landscape / Portrait	Landscape
Display Depth	3.6" (93 mm)				
Inputs	HDMI 2.0 x 2 (HDCP 2.2), HDMI 1.4 x 2, DisplayPort 1.2 x 1, OPS, IR				
Display control	LAN RJ45, RS232 in, IR, Keypad, Mobile app				
Built-in speakers	10W x 2 built-in				
Fanless	Yes				
Multi-Source Viewing	Yes				
Supported 4K modes	1 x 3,840 x 2,160 @ 24 / 25 / 30 / 50 / 60 Hz				
Mounting	Planar® Profile™ Mounting System, VESA				



PLANAR ULTRARES SERIES TOUCH					
Model	UR7551-Touch	UR8451-LX Touch	UR8451-MX Touch	UR9851 Touch	UR9851-3D
Screen diagonal	75"	84"		98"	
Native Resolution	3,840 x 2,160				
Brightness (typ)	450 cd/m2	350 cd/m2	500 cd/m2	500 cd/m2	500 cd/m2
Color depth	10 bit color, 1.073 billion colors (local dimming)				
Backlight type	D-LED	E-LED		D-LED	
Bezel width	1.4" (34 mm)	1.6" (40 mm) left/right; 1.7" (43 mm) top/bottom		1.3" (33 mm)	
Recommended usage	All-day		24 x 7		All-day
Orientation	Landscape	Landscape	Landscape / Portrait	Landscape / Portrait	Landscape
Display Depth	4.1" (104 mm)				
Inputs	HDMI 2.0 x 2 (HDCP 2.2), HDMI 1.4 x 2, DisplayPort 1.2 x 1, OPS, IR				
Display control	LAN RJ45, RS232 in, IR, Keypad, Mobile app				
Built-in speakers	10W x 2 built-in				
Fanless	Yes				
Touch technology	32 pt IR				
Multi-Source Viewing	Yes				
Supported 4K modes	1 x 3,840 x 2,160 @ 24 / 25 / 30 / 50 / 60 Hz				
Mounting	Planar® Profile™ Mounting System, VESA				



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