

UHD PRO™ SERIES

UHD Pro™

2025 EDITION

INDUSTRY BEST LED DISPLAY & CONTROL SYSTEM
WITH ADVANCED ENVIRONMENTAL AI



(260) 494-1499
NEOTI.COM

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Advanced Environmental AI

Building on the exceptional quality of the UHD Pro Series LED Panels, Neoti introduces advanced Environmental AI for unmatched color fidelity, white balance, thermal compensation, and industry-leading calibration.

This intelligent system continuously fine-tunes the display in real time, ensuring peak performance throughout its entire lifespan—adapting seamlessly to module swaps, temperature shifts, and brightness changes.



Redefining the Possibilities of Color & Performance

Not content with the status quo, the advanced performance of the UHD Pro Series begins with selecting the finest LED components, and utilizes the most precise color matching and calibration control in the industry.



Industry Exclusive Automatic Calibration

When modules are replaced with spares or moved within a finished display, the new module's calibration is automatically adjusted to match the surrounding cabinets for a perfectly calibrated display without the hassle of manual color adjustments.

True Color Reproduction

The UHD Pro system does not modify the input signal (as other systems do), it orchestrates the LED hardware to preserve the integrity of the color balance of true-to-life imagery. With the ability to synchronize ICC color profiles, design workflows are fundamentally changed for the better!

Dynamic Thermo and Line Compensation

Proprietary tools such as dynamic thermal and line compensation give you perfect color management and image homogeneity.

Low-Brightness Gamma Correction

The UHD Pro's proprietary gamma correction technology achieves the purest black levels and gradients at extremely low brightness levels.

Integrated Video-Mixer

All the standard mixing capabilities including scaling, cropping, picture in picture, saving and starting presets including fading functions, handling up to 4 different video layers.

- Video inputs: 3G-HDSI, HDMI, DP
- Integrated Switcher and Video Scaler
- Supported Refresh Rates: 50, 60, 75, 100, 120 Hz
- Color Temperature: adjustable 3,000° K - 10,000° K
- Brightness: Adjustable in 0.1% steps 0.1% - 100%
- Real Time Integrated System Monitoring Tool
- Automatic Color Adjustment



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SPECIFICATIONS



0.6 – 2.5
Pixel Pitch

16:9
Aspect Ratio

Front
Install & Service

DISPLAY PROPERTIES

ENGINEERING

	UP06	UP07	UP08	UP09C	UP09	UP12	UP15	UP18	UP25
Pixel Pitch	0.6mm	0.7mm	0.8mm	0.9mm	0.9 mm	1.25 mm	1.56 mm	1.88 mm	2.5 mm
Resolution (H/V)	960x540 px	768x432 px	960x540 px	640x360 px	640x360 px	480x270 px	384x216 px	320x180 px	240 x 135 px
Brightness	1000 nits	1000 nits	700 nits	1000 nits	800 nits				
Refresh Rate	≤ 3840 Hz								
Scan Rate	1/30	1/32	1/60	1/40	1/60	1/27	1/27	1/30	1/15
Contrast	5000:1	5000:1	5000:1	10000:1	5000:1				
Color Depth	16 bit	16 bit	16 bit	14–26 bit	16 bit				
Diode Type	Flip Chip COB				4-in-1 SMD	SMD			
Panel Weight	10.14 lbs	10.14 lbs	19.11 lbs	10.71 lbs	15 lbs				
Panel Dimensions (W x H x D)	Metric: 600 x 337.5 x 28mm / Imperial: 23.622 x 13.29 x 1.1 in (WxHxD)	Metric: 600 x 337.5 x 28mm / Imperial: 23.622 x 13.29 x 1.1 in (WxHxD)	Metric: 775 x 436 x 52mm / Imperial: 30.512 x 17.165 x 2.047 in (WxHxD)	Metric: 600 x 337.5 x 28mm / Imperial: 23.622 x 13.29 x 1.1 in (WxHxD)	Metric: 600 x 337.5 x 58mm / Imperial: 23.622 x 13.287 x 2.28 in (WxHxD)				
Installation & Service	Front								
Operating Voltage	AC 110 ~ 240V (50 ~ 60Hz)								
Panel Power Max/Avg	111 / 55 W		138 / 46 W	111/55 W	151/55 W	131/35 W	131/35 W	131/35 W	131/35 W
Environment Rating	IP50								
Certifications	FCC, TAA Compliant.								

Specifications are accurate at time of printing. Actual specifications may vary due to customizations or updates. Specifications should be confirmed upon ordering



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