

NanoPanel 55

Frequently Asked Questions

1) What is a NanoPanel 55? – This product is designed to be a direct replacement for standard format 55-inch class LCD/OLED flat panel displays as either a stand-alone solution or grouped together in a tiled video wall array.

This solution provides all the benefits of dvLED technology but in an LCD-type format.

- Long life 100,000-hour 24x7 use (to half-life) = 3x life of LCD
- 60% less power
- Uniform white balance and color. No shift during its life.
- High brightness (800 nits)
- In-field serviceable
- Zero image burn in
- Removable trim kit
- Indexed cabinets to help with display alignment in video wall mode
- Protective finish with dust prevention

2) What are the General Specifications?

- 55-inch class (54") diagonal single cabinet display
- 0.6mm Pixel Pitch, Virtual Chip-on-Board (vCOB) LED
- Full HD 1920 x 1080 resolution
- Landscape or Portrait orientation
- Removable trim for near-seamless video wall tiling configurations
- NanoSuite remote display control, monitoring and management

3) What Markets are a Fit? – This product is intended to directly replace and retrofit all 55-inch LCD information display systems in airports, retail digital signage, restaurant and concessions stand menu boards, and control room flat panel tiled LCD video wall displays.

4) Is it a Video Wall Display? – NanoPanel 55 is a standalone LED display and can operate independently via a direct HDMI connection. Multiple displays can be tiled to form a video wall; however video wall configurations require an external content distribution to span multiple panels. NanoPanel 55 does not include intercabinet alignment features, so precise display-to-display alignment is dependent on the mounting solution.

- 5) What LED Technology Does it Use?** – NanoPanel 55 uses vCOB technology which offers advantages such as higher perceived resolution and more visual smoothness.
- 6) Does it have a Protective Finish?** – Yes, NanoPanel 55's COB technology delivers a finish that can provide general protection from damage from accidental impact.
- 7) Does it have LED Processing?** – Novastar video display processing is built into each display enabling standalone operation. Because the controller is built in, tiled video wall applications require an external video distribution system.
- 8) How Does it Mount?** – NanoPanel 55 features an industry standard 400x400 VESA mounting pattern, making it fully compatible with any universal mounting solutions from industry leaders including Chief and Peerless.
- 9) Does it have a Trim Kit?** – Displays ship with a standard dvLED trim kit which can be easily removed allowing units to be mounted together in near-seamless tiled video wall configurations. The trim can be applied to the outside display edges for added protection.
- 10) Can I Buy Only One?** – NanoPanel 55 is available and sold in pallet quantities of 10 displays per pallet. Each pallet unit is bin matched with the same calibration.
- 11) Can I buy Volume Pallet Orders?** – Yes, Nanolumens can facilitate up to 10 pallets per order (100 NanoPanel 55 displays).
- 12) Does it have a Warranty?** – Yes, NanoPanel 55 comes with 3-Year standard warranty.
- 13) Does it Come with Spare Parts?** – Nanolumens provides each individual NanoPanel 55 with 12% bin-matched spare LED modules to ensure color match and quick maintenance.
- 14) Does it have Remote Monitoring?** – Yes, NanoPanel 55 displays are Novastar processor based and are therefore compatible with NanoSuite Remote Monitoring.
- 15) What Comes in the Box?** – Each NanoPanel 55 includes a User Manual, Power Cord, HDMI Cord and IR Remote Control. One module removal tool ships with each pallet order.
- 16) How Does it Connect?** – The display supports HDMI, RJ45, Bluetooth and Wi-Fi