NanoPanel 55

LED Display Upgrade for 55" LCD Flat Panels and Tiled Video Walls

- **Familiar 55-inch Diagonal Size**
- **Full HD Resolution 1920 x 1080**
- **Removable Trim**
- **Landscape or Portrait Mounting**
- **Standard 400x400 VESA Mounting**
- **0.6mm Pixel Pitch Chip-On-Board LED**

Nanolumens

www.nanolumens.com

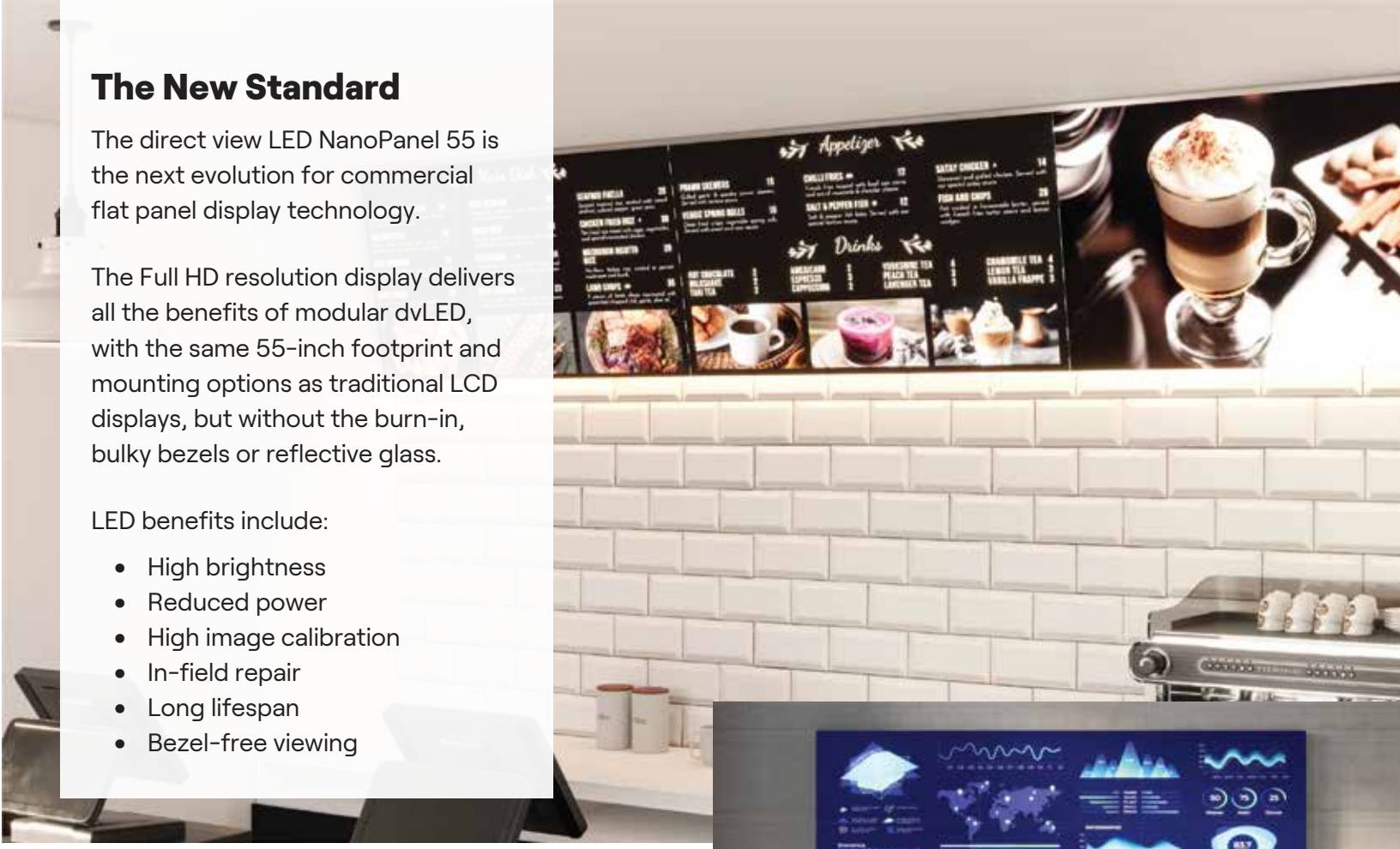
The New Standard

The direct view LED NanoPanel 55 is the next evolution for commercial flat panel display technology.

The Full HD resolution display delivers all the benefits of modular dvLED, with the same 55-inch footprint and mounting options as traditional LCD displays, but without the burn-in, bulky bezels or reflective glass.

LED benefits include:

- High brightness
- Reduced power
- High image calibration
- In-field repair
- Long lifespan
- Bezel-free viewing



Increase Return-On-Investment

NanoPanel 55 delivers 100,000 hours of use before its half-life, maintaining both color accuracy and white balance over its life. This extended lifespan, combined with LED's power and heat reduction, allows for a tremendous savings and ROI. NanoPanel 55 can also be serviced in the field for quick repair and help reduce environmental impact and the ability to reduce the need to store extra displays for repair requirements.

Easy Retrofit

With the same size and mounting, NanoPanel 55 easily replaces existing 55-inch LCD display installations, providing additional cost savings.

Better Viewer Experience

NanoPanel 55 helps provide a better viewer experience. With whiter whites and blacker blacks it delivers a more true visual experience. The video wall tiling ability creates a bezel-free canvas, allowing for content to truly be anywhere on the wall.

Benefits

Long Lifespan

100,000 hour 24x7 operational use to half life provides for a substantial return on investment.

No Gridlines

Removable trim enables the display to be tiled into a bezel-less video wall canvas, for a larger, more immersive viewer experience. Tile trim is available.

Close Viewing

NanoPanel 55 uses 0.6mm ultra-fine pixel pitch Chip-On-Board LED to deliver popular Full HD 1920 x 1080 resolution in a 55" format.

Universal Mounting Systems

The display features a standard 400x400 VESA mounting pattern for use with many third-party wall, pole, hanging and other TV and video display mounting solutions.

SPECIFICATIONS	
Pixel Pitch	0.6mm
LED Technology	Virtual COB
Width	47.48 in / 1206 mm
Height	26.81 in / 681 mm
Depth	2.76 in / 70 mm
Diagonal	54 in / 4.5 ft / 0.013 m
Weight	48 lbs / 22 kg
Max Brightness (standard)	800 Nits
Power Watts	310 (max) / 150 (average)
Input Voltage (VAC)	120 - 240 VAC - Single Phase
Est. BTU/hr All White Full Power	1023
Est. BTU/hr Average Running Video	512
Operating Temperature	-14F to 104F / -10C to 40C
Resolution	Full HD 1920 x 1080
Total Pixel Count	2,073,600
Contrast	5000:1 (static) / 10000:1 (dynamic)
Gray Scale	13-bit
Refresh	3840 hz
Viewing Angle L50 {3}	160 Horizontal / 160 Vertical
Color Temp	6500K ~ Adjustable
Inputs	1x HDMI
Networking	RJ45
Remote Monitoring	NanoSuite
Orientation	Landscape or Portrait
Number of LED Modules	16
Mount Required?	Yes
Serviceability	Front
Indoor / Outdoor	Indoor
Module Protection	Full diode encapsulation protection
Trim	Removable / Tile trim kit sold separately
Mounting	VESA 400 x 400
Life Span to Half Brightness	>100,000 hours / 24x7 operation
Standard Spare Modules Included	12%
Warranty	3-year standard