

## PO-Series LED-backlit Display 55"

### Ultra-High Brightness Display Solutions



The PO-Series ultra-high brightness displays are purposely built to stand out in a wide range of environments whether indoor or outdoor, retail or entertainment. The LED-backlit panels include brightness levels that maximise visibility, along with features such as an energy saving EcoSmart Sensor and Anti-Burn-in™ technology that make the displays ideal for 24/7 outdoor use. An open-frame\* option boosts adaptability, as it allows for easier integration into customised designs, while an active dual-fan cooling design coupled with a HeatControl sensor keep temperatures in control, which further enhances the PO-Series' aptitude for outdoor use.



PO-55H



PO-55F





### Readable in Sunlight

With a 2500 nits ultra-high brightness display, the PO-Series provides optimal readability, whether in direct or indirect sunlight conditions, while retaining the superior image quality AG Neovo displays are known for. The panels also are equipped with high-temperature resistant (up to 110°C / 230°F) liquid crystal cells, and circular polarizing technology which enables clear visibility even when the viewer is wearing polarized sunglasses.

### Open-Frame Design

With customisation in mind, the PO-Series features an open-frame\* option which allows you to be flexible in any new custom display solution you are designing or to integrate the display into any solution which you have already developed.



### Easy to Install and Manage

Offering landscape and portrait mode capabilities, the PO-Series can easily adapt to various installation setups while expanding design options for content. A built-in RS232 port adds convenience, letting you control your display remotely.

### Smart Power Management

Power management is an important consideration for 24/7 applications to ensure a long product life and extended use. AG Neovo designed an energy saving EcoSmart Sensor, so the display can automatically adjust its brightness according to the external environment, particularly in outdoor settings, which can significantly save energy.



\* Features may vary by model

## Features

- 2,500 nits ultra-high brightness sunlight readable panel
- Anti-Burn-in™ technology prevents image ghosting
- RS232/IR control support - provides compatibility with control systems
- EcoSmart Sensor automatically adjusts brightness level according to ambient lighting conditions
- HeatControl Sensors automatically activate the internal cooling fans when temperature rises
- Low reflection rate ( $\leq 1.45\%$ ) to enhance readability in bright ambient light areas
- Flexible display orientation: Landscape/Portrait
- Built-in speakers (PO-55H only)
- Designed and developed for continuous 24/7 operation
- 2 handles mounted for easy lifting and installation



## Specifications

		PO-55H	PO-55F (Open-frame)
Panel	Panel Type	LED-Backlit TFT LCD (VA Technology)	LED-Backlit TFT LCD (VA Technology)
	Panel Size	54.6"	54.6"
	Max. Resolution	FHD 1920 x 1080	FHD 1920 x 1080
	Pixel Pitch	0.630 mm	0.630 mm
	Brightness	2500 cd/m <sup>2</sup>	2500 cd/m <sup>2</sup>
	Contrast Ratio	4,000 : 1	4,000 : 1
	Viewing Angle (H/V)	178°/178°	178°/178°
	Display Colour	1.07B	1.07B
	Response Time	5 ms	5 ms
	Surface Treatment	Anti-Reflection Treatment (Reflectance <2%), 2H Hard Coating	Anti-Reflection Treatment (Reflectance <2%), 2H Hard Coating
Frequency (H/V)	H Freq. V Freq.	30 kHz-80 kHz 56 Hz-76 Hz	30 kHz-80 kHz 56 Hz-76 Hz
Input	DisplayPort HDMI DVI VGA	x 1 1.4 x 1 29-Pin DVI-I x 1 15-Pin D-Sub x 1	x 1 1.4 x 1 29-Pin DVI-I x 1 15-Pin D-Sub x 1
External Control	RS-232 in	9-Pin D-Sub	9-Pin D-Sub
Other Connectivity	USB	2.0 x 1 (Reserved for touch design)	2.0 x 1 (Reserved for touch design)
Audio	Audio In Audio Out Speaker	Stereo Audio Jack (3.5 mm) Stereo Audio Jack (3.5 mm) 10W x 2	Stereo Audio Jack (3.5 mm) Stereo Audio Jack (3.5 mm) -
Power	Power Supply Power Requirements On Mode Stand-by Mode Off Mode	Internal 100-240Vac, 50-60 Hz 353W (On) < 2W < 1W	Internal 100-240Vac, 50-60 Hz 353W (On) < 2W < 1W
Operating Conditions	Temperature Humidity	0°C-40°C (32°F-104°F) 20%-80% (non-condensing)	0°C-40°C (32°F-104°F) 20%-80% (non-condensing)
Storage Conditions	Temperature Humidity	-20°C-60°C (-4°F-140°F) 20%-80% (non-condensing)	-20°C-60°C (-4°F-140°F) 20%-80% (non-condensing)
Mounting	VESA	Yes (400 x 400 mm)	Yes (400 x 400 mm)
Dimensions	w/o Base (W x H x D) Packaging (W x H x D)	1248.2 x 719.0 x 119.0 mm (49.1" x 28.3" x 4.7") 1350.0 x 852.0 x 365.0 mm (53.2" x 33.5" x 14.4")	1242.2 x 713.0 x 117.8 mm (48.9" x 28.0" x 4.6") 1350.0 x 852.0 x 365.0 mm (53.2" x 33.5" x 14.4")
Weight	w/o base Packaging	36.7 kg (80.9 lb) 46.3 kg (102.0 lb)	29.2 kg (64.4 lb) 38.8 kg (85.5 lb)
Regulation Approval	Certification & Compliance	CE, LVD, RoHS, WEEE, REACH, EAC	CE, LVD, RoHS, WEEE, REACH, EAC
Accessories	Supplied	Power Cord, Remote Control, Batteries, Quick Start Guide	Power Cord, Remote Control, Batteries, Quick Start Guide
Optional Accessories		Wall Mount (Landscape only): LMK-01, LMK-03	-

All specifications are subject to change without prior notice.

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