PO-Series LED-backlit Display 55"

Ultra-High Brightness Display Solutions

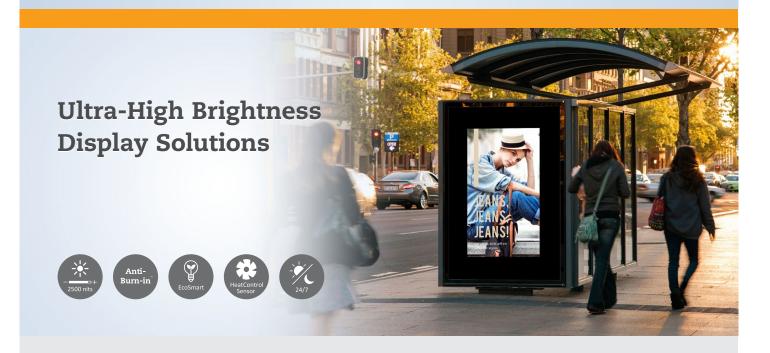
2500 nits	Anti-Burn-in™	EcoSmart	HeatControl Sensor	24/7

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

700 nits

2500 nits

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.

RS232

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.
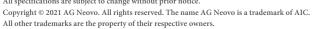

EcoSmart

24/7

* 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 compatiblity 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 (≦ 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
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/m²	2500 cd/m²
Contrast Ratio	4000:1	4000:1
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		
Frequency (H)	30 kHz-80 kHz	30 kHz-80 kHz
Frequency (V)	56 Hz-76 Hz	56 Hz-76 Hz
Signal Input		
DisplayPort	x 1	x 1
HDMI	1.4 x 1	1.4 x 1
DVI	29-Pin DVI-I	29-Pin DVI-I
VGA	15-Pin D-Sub x 1	15-Pin D-Sub x 1
External Control		
RS232 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	Stereo Audio Jack (3.5 mm)	Stereo Audio Jack (3.5 mm)
Audio Out	Stereo Audio Jack (3.5 mm)	Stereo Audio Jack (3.5 mm)
Internal Speakers	10W x 2	-
Power		
Power Supply	Internal	Internal
Power Requirements	AC 100-240V, 50/60 Hz	AC 100-240V, 50/60 Hz
On Mode	353W (On)	353W (On)
Stand-by Mode	< 2W	< 2W
Off Mode	< 1W	< 1W
Operating Conditions		
Temperature	0°C-40°C (32°F-104°F)	0°C-40°C (32°F-104°F)
Humidity	20%-80% (non-condensing)	20%-80% (non-condensing)
Storage Conditions		
Temperature	-20°C-60°C (-4°F-140°F)	-20°C-60°C (-4°F-140°F)
Humidity	20%-80% (non-condensing)	20%-80% (non-condensing)
Mounting		
VESA FPMPMI	Yes (400 x 400 mm)	Yes (400 x 400 mm)
Dimensions		
Product w/o Base (W x H x D)	1248.2 x 719.0 x 119.0 mm (49.1" x 28.3" x 4.7")	1242.2 x 713.0 x 117.8 mm (48.9" x 28.0" x 4.6")
Packaging (W x H x D)	1350.0 x 852.0 x 365.0 mm (53.2" x 33.5" x 14.4")	1350.0 x 852.0 x 365.0 mm (53.2" x 33.5" x 14.4")
Weight		
Product w/o Base	36.7 kg (80.9 lb)	29.2 kg (64.4 lb)
Packaging	46.3 kg (102.0 lb)	38.8 kg (85.5 lb)
Regulation Approval		
Certifications & 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		
Video Wall Mount	VWM-01, VWM-02	VWM-01, VWM-02
Wall Mount	LMA-02	LMA-02
Ceiling Mount (Landscape only)	CMP-01+LMK-01	CMP-01+LMK-01
Wall Mount (Landscape only)	LMK-01, LMK-03	LMK-01, LMK-03
Floor Mount (Landscape only)	FMC-03+LMK-04, FMC-04+LMK-04	FMC-03+LMK-04, FMC-04+LMK-04
Desk Mount (Landscape only)	DTS-01	DTS-01

REACH   RoHS COMPLIANT   WEEE

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