PD-Series LCD Display 43" | 55" | 65"

Anti-Burn-in™ · 24/7 · 700 nits · DisplayPort · Gamma

Reliable and Durable 4K Professional Displays for Digital Signage and Control Rooms

The new PD-Series is a premium professional display featuring 4K resolution and 700 nits brightness used in airport terminals, control rooms, and shopping malls. It integrates different input sources, including an embedded USB playback, various I/O ports, and SDM slot. The PD-Series provides more value-added features, including PID Command & Ctrl, a software for remote management of displays via mobile devices, and patented Anti-Burn-in™ technology to prevent image burn-in when static content runs for a long time.
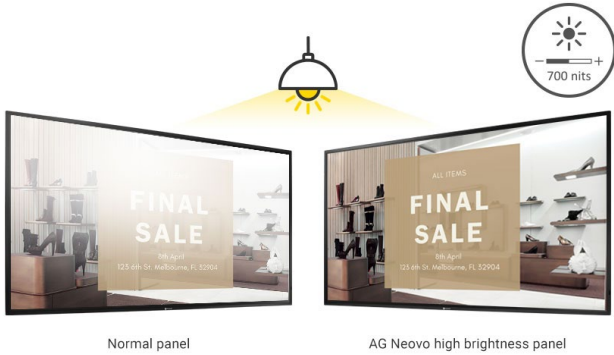

PD-65Q

PD-43Q / PD-55Q

PD-43Q / PD-55Q

PD-65Q

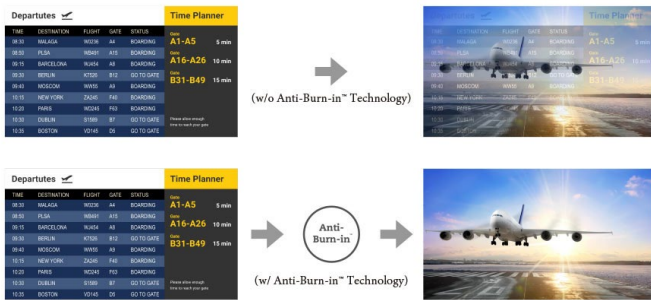Normal panel · AG Neovo high brightness panel

700 nits High Brightness

The PD-Series features 4K UHD, 10-bit colour depth, and 178-degree viewing angle for brilliant colour performance. Besides that, the PD-Series adopts 700 nits brightness commercial-grade panel to deliver clear, bright, and detailed imagery even in the daylight or bright indoor environments.

Commercial-grade Panel for 24/7 Use

Designed for 24/7 operation, AG Neovo professional displays are produced to meet the highest professional standard and take advantage of superior components to ensure a long product lifetime in demanding environments.

Patented Anti-Burn-in Technology

Many large format displays that are tasked with broadcasting the same or still images for prolonged periods of time can suffer from irreparable discoloration or permanent 'ghost images' (also known as image sticking and burn-in effect) compromising the quality of the message on display. To combat the effects of LCD burn-in, or ghosting, AG Neovo utilises its patented Anti-Burn-in™ Technology, which has been tested and proven to prevent image burn-in and assure the extended life span for displays.

Flexible Design Capabilities

The PD-Series is signage-friendly and can perfectly fit either in a landscape or in a portrait mode to experience complete screen orientation flexibility and fulfill the need in different scenarios.

Optional Intel® SDM Capability

The built-in SDM slot is designed for Intel smart display module, which is ready to deliver a powerful smart signage functionality for more user-friendly applications.

SDM-S
(PD-43Q)

SDM-L
(PD-55Q/PD-65Q)

DisplayPort/IR/RS232 Daisy Chain Functionality

With DisplayPort daisy chain functionality, the video and audio can be delivered to multiple AG Neovo's large format displays using DisplayPort cables, and it saves a significant amount of time. IR/RS232 loop-through capability provides a convenient single point of control for multi-display installation. Compared to digital signage without DisplayPort/RS232/IR looping, it can be difficult to manage and configure multiple displays.
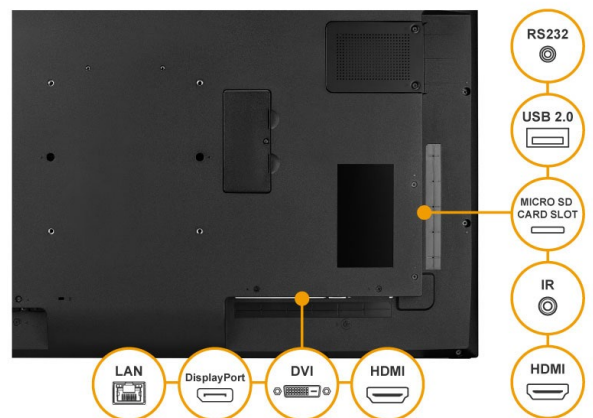
Remote Display Management via Mobile Devices

In addition to allowing users to control AG Neovo displays via LAN or RS232 connections, PID Command & Ctrl provides intuitive web and mobile interfaces for remote management, OSD-related settings, and easy creation on video wall displays. The software also has functions like brightness adjustment, temperature check, IR/key locking options, and time on usage monitoring for daily maintenance.

Versatile Connectivity

The PD-Series can easily connect to a variety of devices with the versatile connectivity options including DisplayPort, HDMI, DVI, USB, IR, RS232, and RJ45. It offers more flexible video source options to build up signage applications and a greater deal of versatility to boot.

Features

- 4K UHD 3840 x 2160 resolution
- 700 nits high brightness panel offers clear images in bright ambient light areas
- Anti-Burn-in™ technology prevents image ghosting
- DisplayPort 1.2 Multi-stream functionality allows easy installation for video walls
- Designed and developed for continuous 24/7 operation
- Flexible display orientation: Landscape/Portrait
- Versatile connectivity: DisplayPort, HDMI, DVI
- DisplayPort, RS232, IR daisy chain support
- SDM slot ready for easy media player / IPC integration
- Extensive display control: RS232, IR, LAN and PID Command Tool software
- Built-in USB ports for easy connection to peripherals
- Selectable gamma curves optimise different kinds of images
- Alink™ function for synchronized powering on/off via HDMI
- Kensington security slot
- VESA mount compatibility for flexible installation

* Features may vary by model

Specifications	PD-43Q	PD-55Q	PD-65Q
Panel			
Panel Type	LED-Backlit TFT LCD (IPS Technology)	LED-Backlit TFT LCD (VA Technology)	LED-Backlit TFT LCD (IPS Technology)
Panel Size	42.5"	54.6"	64.5"
Max. Resolution	UHD 3840 x 2160	UHD 3840 x 2160	UHD 3840 x 2160
Pixel Pitch	0.245 mm	0.315 mm	0.372 mm
Brightness	700 cd/m²	700 cd/m²	700 cd/m²
Contrast Ratio	1200	5000	1200
Viewing Angle (H/V)	178°/178°	178°/178°	178°/178°
Display Colour	1.07G	1.07G	1.07G
Response Time	5 ms	5 ms	5 ms
Surface Treatment	Anti-glare treatment (Haze 25%),3H Hard Coating	Anti-glare treatment (Haze< 25%), 3H Hard Coating, Low Reflection 1.5%	Anti-glare treatment (Haze 25%), 2H (Min) Hard Coating
Frequency			
Frequency (H)	31 kHz-92 kHz	31 kHz-92 kHz	31 kHz-92 kHz
Frequency (V)	48 Hz-85 Hz	48 Hz-85 Hz	48 Hz-85 Hz
Signal Input			
DisplayPort	x 1	x 1	x 1
HDMI	2.0 x 3	2.0 x 3	2.0 x 3
DVI	29-Pin DVI-I x 1 (VGA)	29-Pin DVI-I x 1 (VGA)	29-Pin DVI-I x 1 (VGA)
Signal Output			
DisplayPort	1	1	1
External Control			
IR In	3.5 mm Phone Jack	3.5 mm Phone Jack	3.5 mm Phone Jack
IR Out	3.5 mm Phone Jack	3.5 mm Phone Jack	3.5 mm Phone Jack
RS232 In	2.5 mm Phone Jack	2.5 mm Phone Jack	2.5 mm Phone Jack
RS232 Out	2.5 mm Phone Jack	2.5 mm Phone Jack	2.5 mm Phone Jack
LAN	RJ45 x 1	RJ45 x 1	RJ45 x 1
Other Connectivity			
USB	2.0 x 1 (Service Port / Media Playback) / 2.0 x 1 (Media Playback)	2.0 x 1 (Service Port / Media Playback) / 2.0 x 1 (Media Playback)	2.0 x 1 (Service Port / Media Playback) / 2.0 x 1 (Media Playback)
Micro SD Card Slot	Yes	Yes	Yes
SDM Slot	SDM-S	SDM-L	SDM-L
Audio			
Audio In	Stereo Audio Jack (3.5 mm)	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)	Stereo Audio Jack (3.5 mm)
Internal Speakers	10W x 2	10W x 2	10W x 2
Power			
Power Requirements	AC 100-240V, 50/60 Hz	AC 100-240V, 50/60 Hz	AC 100-240V, 50/60 Hz
On Mode	123 (On)	177 (On)	199 (On)
Standby Mode	< 0.5W	< 0.5W	< 0.5W
Off Mode	0W	0W	0W
Power Supply	Internal	Internal	Internal
Operating Conditions			
Temperature	0°C-40°C (32°F-104°F)	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)	20%-80% (non-condensing)
Storage Conditions			
Temperature	-20°C-60°C (-4°F-140°F)	-20°C-60°C (-4°F-140°F)	-20°C-60°C (-4°F-140°F)
Humidity	10%-90% (non-condensing)	10%-90% (non-condensing)	10%-90% (non-condensing)
Mounting			
VESA FPMPMI	Yes (200 x 200 mm)	Yes (400 x 400 mm)	Yes (400 x 400 mm)
Security			
Kensington Security Slot	Yes	Yes	Yes
Dimensions			
Product w/o Base (W x H x D)	973.0 x 561.2 x 63.5 mm (38.3" x 22.1" x 2.5")	1241.8 x 712.6 x 63.6 mm (48.9" x 28.4" x 2.5")	1462.3 x 837.3 x 93.4 mm (27.6" x 33.0" x 3.7")
Packaging (W x H x D)	1070.0 x 680.0 x 141.0 mm (42.1" x 26.8" x 5.6")	1350.0 x 860.0 x 160.0 mm (53.2" x 33.9" x 6.3")	1580.0 x 1050.0 x 151.0 mm (62.2" x 41.3" x 5.9")
Weight			
Product w/o Base	10.7 kg (23.6 lb)	16.6 kg (27.7 lb)	27.8 kg (61.3 lb)
Packaging	13.1 kg (28.9 lb)	21.8 kg (48.1 lb)	33.9 kg (74.7 lb)
Regulation Approval			
Certifications & Compliance	FCC, CE, LVD, ICES-003(Issue 7), WEEE, RoHS, REACH	FCC, CE, LVD, ICES-003(Issue 7), WEEE, RoHS, REACH	FCC, CE, LVD, ICES-003(Issue 7), WEEE, RoHS, REACH
Accessories			
Supplied	Power Cord, HDMI Cable, RS232 Cable, Remote Control, Batteries, Quick Start Guide	Power Cord, HDMI Cable, RS232 Cable, Remote Control, Batteries, Quick Start Guide	Power Cord, HDMI Cable, RS232 Cable, Remote Control, Batteries, Quick Start Guide
Optional Accessories			
Floor Mount	FMS-01, FMS-02, FMC-02	FMS-01, FMS-02, FMC-02	-
Ceiling Mount	CMP-01+LMK-02, CMP-01+WMK-03	-	CMP-01+LMK-01
Video Wall Mount	VWM-01, VWM-02	VWM-01, VWM-02	VWM-01, VWM-02
Wall Mount	LMA-01, WMA-01, LMK-02, WMK-03	LMA-01, LMA-02	LMA-01, LMK-01, LMK-03, LMA-02
Desk Mount	DTS-01	-	-
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

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