AG neovo

PD-Series LCD Display 42" | 49" | 55"

The Right
Building Blocks
for Your Video Wall

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

Built for digital signage, the PD-Series features a 6.5mm narrow bezel and a full slate of inputs including HDMI with HDCP, DisplayPort 1.2 for 4K 2x2 video wall setups, and RS-232 and RJ45 ports for remote and network-based control. The displays also include other signage-friendly features such as landscape and portrait modes, scheduling capabilities, and a switch-on delay mechanism for use in video walls. Furthermore, the PD-Series also fits for security control room usages with its premium-grade panel and 24/7 design.
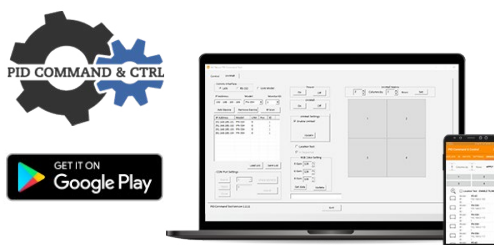
Full HD 700 nits

High Visibility

The PD-Series offers pristine images that maximize visibility, making videos shown on the display stand out in any setting. The 700 nits high brightness, 10 bit color depth, and 5 ms response time ensure life-like visuals, all complemented by a 178-degree viewing angle that allows the display to be seen by all.

Ideal for Video Walls

The PD-Series is an excellent choice for video walls with a variety of features, which make installation and setup convenient including DisplayPort 1.2 support for easy 4K 2x2 video wall setup, a switch-on delay mechanism, a logo-free design, and a premium-grade panel for 24/7 operation.

DisplayPort 1.2

Simple Content Scheduling

The embedded USB media player allows users to conveniently play content from a USB drive. Simply create scheduled playlists and configure playback settings with the included remote control to display your personalized content.

Easy Control for Large-Scale Digital Signage

Its built-in scheduler and OPS slot are complemented by IR / RS-232 looping and Ethernet control capabilities to easily control, setup and maintain large-scale digital signage video walls installations.

OPS Slot

RS-232 **RJ45**

PID Command & Ctrl Software

PID Command & Ctrl is a software that allows users to control AG Neovo displays via LAN or RS232 connections. It provides a simple and intuitive interface for remote management, OSD-related settings, and easy control on deployed displays. It also can be used to create video walls within minutes and assist system integrators with setting up displays.
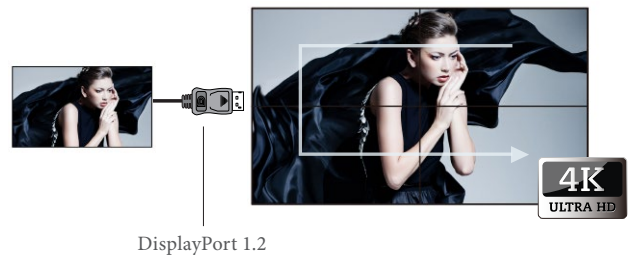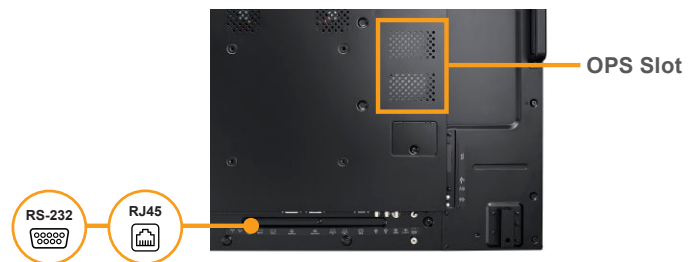

Features

- Full HD 1920 x 1080 resolution
- 700 nits high brightness panel offers clear images in bright ambient light areas
- Anti-Burn-in™ technology prevents image ghosting
- Durable metal housing
- 6.5mm narrow bezel width for professional LCD video walls
- DisplayPort 1.2 Multistream functionality allows for 4K UHD resolution across a 2x2 video wall
- Image Enhancer: 3D Comb Filter / Deinterlace / Noise Reduction
- Versatile connectivity: DisplayPort, HDMI, DVI, VGA, Component/Composite
- Built-in USB media player for simple signage content delivery
- An integrated scheduler allows content programming based on source, time and day

- DMR function: play media shared over a local network
- Alink™ function for synchronized powering on/off via HDMI
- RS232/LAN/IR control - provides compatibility with control systems
- Native tiling support for easy video wall setup (up to 5 x 5)
- HeatControl Sensors automatically activate the internal cooling fans when temperature rises
- Selectable gamma curves optimise different kinds of images
- OPS slot ready for easy IPC, media player or HDBaseT receiver integration
- Premium-grade panel for high reliability and long product lifetime
- Rigorous screening of the components for mission-critical 24/7 applications

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Specifications	PD-42	PD-49	PD-55
Panel			
Panel Type	LED-Backlit TFT LCD (IPS Technology)	LED-Backlit TFT LCD (IPS Technology)	LED-Backlit TFT LCD (IPS Technology)
Panel Size	41.9"	48.5"	54.6"
Max. Resolution	FHD 1920 x 1080	FHD 1920 x 1080	FHD 1920 x 1080
Pixel Pitch	0.483 mm	0.559 mm	0.630 mm
Brightness	700 cd/m²	700 cd/m²	700 cd/m²
Contrast Ratio	1300:1	1300:1	1300:1
Viewing Angle (H/V)	178°/178°	178°/178°	178°/178°
Display Colour	1.07B	1.07B	1.07B
Response Time	5 ms	5 ms	5 ms
Surface Treatment	Anti-Glare Treatment (Haze 10%), 3H Hard Coating	Anti-Glare Treatment (Haze 10%), 3H Hard Coating	Anti-Glare Treatment (Haze 10%), 3H 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	1.2 x 1	1.2 x 1	1.2 x 1
HDMI	1.3b x 2	1.3b x 2	1.3b x 2
DVI	24-Pin DVI-D	24-Pin DVI-D	24-Pin DVI-D
VGA	15-Pin D-Sub x 1	15-Pin D-Sub x 1	15-Pin D-Sub x 1
Component	BNC x 1	BNC x 1	BNC x 1
Composite	BNC x 1	BNC x 1	BNC x 1
Signal Output			
DisplayPort	1.2 x 1	1.2 x 1	1.2 x 1
DVI	29-Pin DVI-I x 1 (VGA/HDMI/OPS)	29-Pin DVI-I x 1 (VGA/HDMI/OPS)	29-Pin DVI-I x 1 (VGA/HDMI/OPS)
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
RJ11	Yes	Yes	Yes
Other Connectivity			
USB	2.0 x 1 (Service Port / Media Playback)	2.0 x 1 (Service Port / Media Playback)	2.0 x 1 (Service Port / Media Playback)
OPS Slot	Yes	Yes	Yes
Audio			
Audio In	Stereo Audio Jack (3.5 mm), Stereo Audio Jack (RCA)	Stereo Audio Jack (3.5 mm), Stereo Audio Jack (RCA)	Stereo Audio Jack (3.5 mm), Stereo Audio Jack (RCA)
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
Speaker Output (RMS)	10W x 2	10W x 2	10W x 2
Power			
Power Supply	Internal	Internal	Internal
Power Requirements	AC 100-240V, 50/60 Hz	AC 100-240V, 50/60 Hz	AC 100-240V, 50/60 Hz
On Mode	118W (On)	131W (On)	148W (On)
Stand-by Mode	< 0.5W	< 0.5W	< 0.5W
Off Mode	< 0.5W	< 0.5W	< 0.5W
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	5%-90% (non-condensing)	5%-90% (non-condensing)	5%-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)	946.9 x 541.0 x 71.1 mm (37.3" x 21.3" x 2.8")	1092.8 x 623.0 x 71.1 mm (43.0" x 24.5" x 2.8")	1228.6 x 699.4 x 71.1 mm (48.4" x 27.5" x 2.8")
Packaging (W x H x D)	1123.0 x 743.0 x 203.0 mm (44.2" x 29.3" x 8.0")	1308.0 x 846.0 x 203.0 mm (51.5" x 33.3" x 8.0")	1444.0 x 922.0 x 223.0 mm (56.9" x 36.3" x 8.8")
Weight			
Product w/o Base	15.3 kg (33.7 lb)	19.0 kg (41.9 lb)	24.7 kg (54.5 lb)
Packaging	19.6 kg (43.2 lb)	25.0 kg (55.1 lb)	31.2 kg (68.8 lb)
Regulation Approval			
Certifications & Compliance	FCC, CE, CB, BSMI, REACH, WEEE, RoHS, EAC	CE, CB, BSMI, REACH, WEEE, RoHS, EAC	CE, CB, FCC, REACH, WEEE, RoHS, EAC
Accessories			
Supplied	Power Cord, VGA Cable, RS232 Cable, Remote Control, Batteries, RS232 Daisy Chain Cable, Quick Start Guide	Power Cord, VGA Cable, RS232 Cable, Remote Control, Batteries, RS232 Daisy Chain Cable, Quick Start Guide	Power Cord, VGA Cable, RS232 Cable, Remote Control, Batteries, RS232 Daisy Chain Cable, Quick Start Guide
Optional Accessories			
Floor Mount	FMS-01, FMS-02, FMC-02	FMS-01, FMS-02, FMC-02	FMS-01, FMS-02, FMC-02
Floor Mount (Landscape only)	-	-	FMC-03+LMK-04, FMC-04+LMK-04
Ceiling Mount	CMP-01+LMK-02, CMP-01+WMK-03	-	-
Ceiling Mount (Landscape only)	CMP-01+LMK-01	CMP-01+LMK-01	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-01
Wall Mount (Landscape only)	LMK-01, LMK-03	LMK-01, LMK-03	LMK-01, LMK-03
Desk Mount (Landscape only)	DTS-01	DTS-01	DTS-01
Stand	STD-04	STD-04	STD-04

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