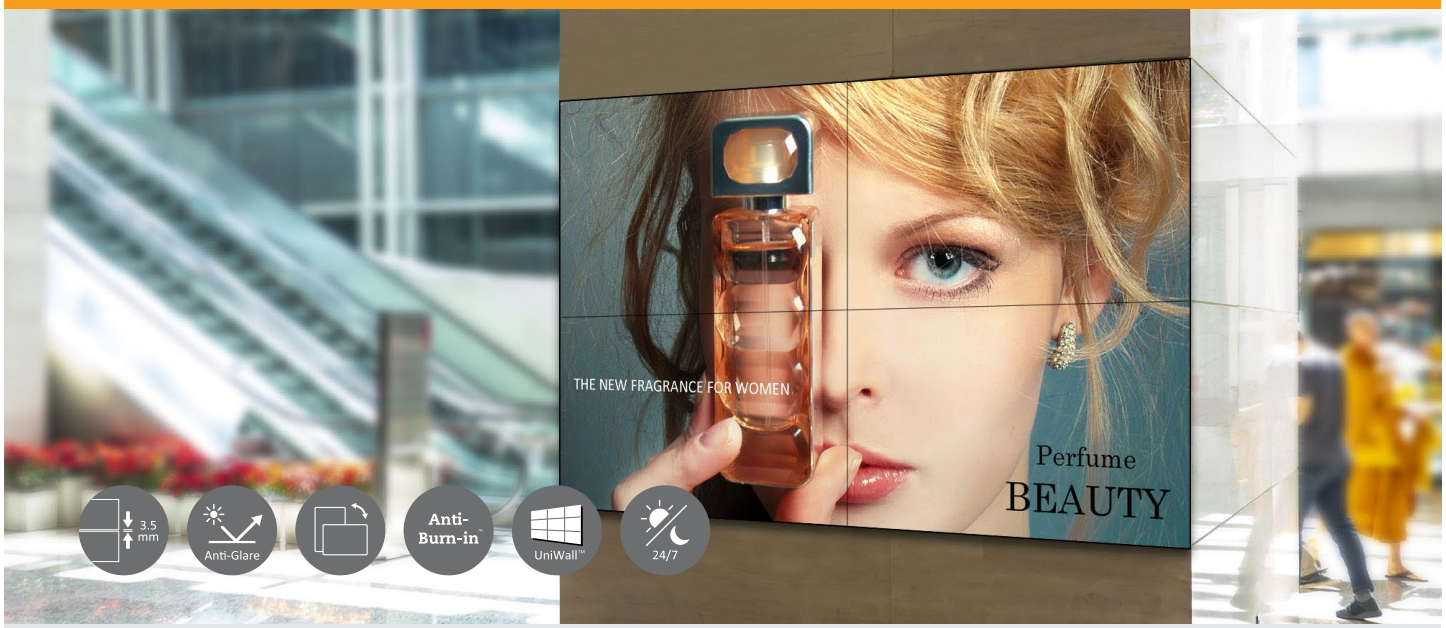
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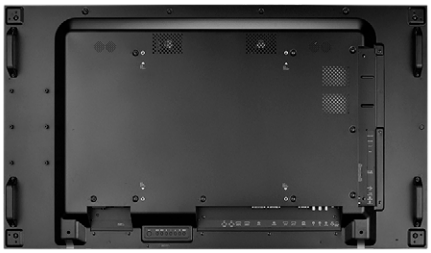
# PN-Series LCD Display 55”




## Ultra Narrow Bezel Displays for Immersive Visual Experience

The PN-Series ultra-narrow bezel displays are designed for professional and commercial video wall applications. Given its built-in scheduler, OPS slot, and tiling function, these high-end displays are easy to set up and maintain. With its up to 500 nits of brightness, anti-reflective panel, visually stunning video walls can be displayed in demanding environments — from large public venues to 24/7 operation control rooms.







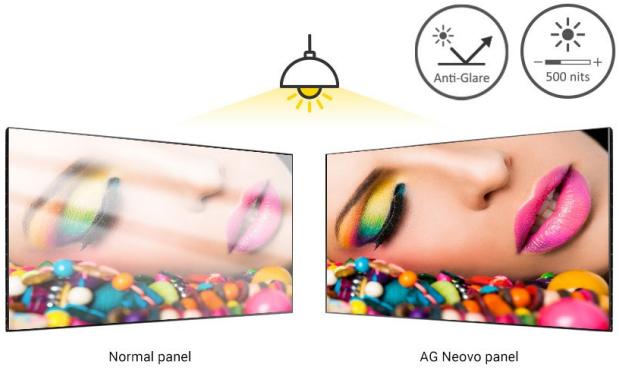


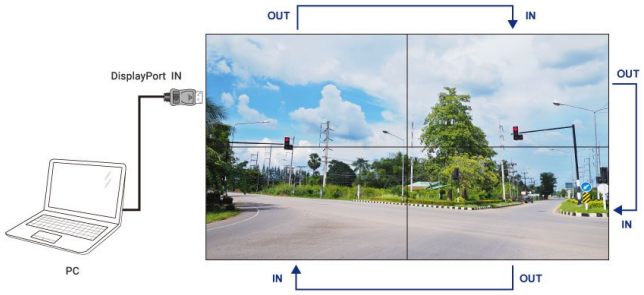

## Immersive Visual Experience

55” ultra-narrow 3.5 mm bezel-to-bezel professional video wall displays create seamless images for an immersive visual experience, while the flexible landscape or portrait display orientation suits favorable content layouts and fulfills different applications.

## High Visibility and Low Power Consumption

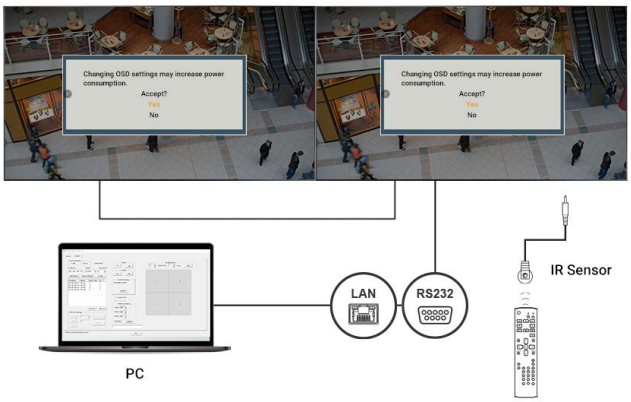
Anti-glare treatment with haze 28%, high contrast, wide viewing angles and up to 500 nits brightness give images with superior clarity and visibility. EcoSmart sensor detects ambient lighting conditions to automatically adjust the brightness level and reduce power consumption.




## DisplayPort Daisy-chain for 4K Video Wall Installation

With DisplayPort daisy chain functionality, the video and audio can be delivered to multiple AG Neovo’s large format displays using DisplayPort cables to set up, configure and maintain 2x2 4K video wall installations with ease.

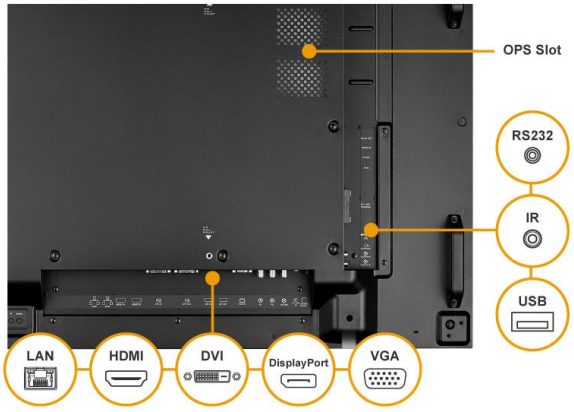



## Easy Control for Multiple Displays

With IR/RS232/LAN loop-through capability, the PN-Series provides an easy and convenient single point of control for multi-display installation.

## Versatile connectivity for Multimedia Playback

The PN-Series integrates diverse connectivity, including HDMI, DisplayPort, DVI, VGA and OPS slot to connect external devices. In addition, the displays support USB playback functionality and users can directly playback multimedia content via LAN connection.







## Simple Content Scheduling

The built-in scheduler allows users to conveniently play content from a USB drive. Users can simply create scheduled playlists and configure playback settings with the included remote control to display personalised content.




## Industry-leading Durability

Designed for 24/7 operation, these durable metal-cased displays take advantage of superior components to ensure a long product lifetime. Its integrated HeatControl Sensor automatically activates the internal cooling fans, which is crucial when the temperature rises in mission-critical installations.

## Free Display Management Software

PID Command & Ctrl software allows users to control AG Neovo displays via laptop or mobile devices remotely. It provides a simple and intuitive interface for remote management, OSD-related settings, and easy control of deployed displays and video walls. The embedded UniWall™ feature allows AG Neovo displays to create up to 5x5 video walls without third-party equipment.

The software also has functions like brightness adjustment, temperature, and usage time monitoring for reliable maintenance.




## Features

- Full HD 1920 x 1080 resolution
- IPS Panel technology offers high colour accuracy and wide viewing angles
- Anti-glare treatment (Haze 28%) improves visibility of the screen under ambient light
- 3.5mm ultra narrow bezel for seamless LCD video walls (1.75 mm bezel width per unit)
- DisplayPort, DVI, RS232, LAN, IR looping support
- 500 nits of brightness for any indoors and semi-outdoor environments
- Anti-Burn-in™ technology prevents image ghosting
- Versatile connectivity: DisplayPort, HDMI, DVI, VGA, Component/Composite
- Flexible display orientation: Landscape/Portrait
- An integrated scheduler allows content programming based on time and day
- Extensive display control: RS232, RJ45 and PID Command Tool software
- UniWall™ - create video walls (up to 5x5 displays) without third-party equipment
- Designed and developed for continuous 24/7 operation
- HeatControl Sensors automatically activate the internal cooling fans when temperature rises
- Selectable gamma curves optimise different kinds of images

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| Specifications | PN-55D2 |
|---|---|
| **Panel** | |
| Panel Type | LED-Backlit TFT LCD (IPS Technology) |
| Panel Size | 54.6" |
| Max. Resolution | FHD 1920 x 1080 |
| Pixel Pitch | 0.630 mm |
| Brightness | 500 cd/m² |
| Contrast Ratio | 1200:1 |
| Viewing Angle (H/V) | 178°/178° |
| Display Colour | 1.07B |
| Response Time | 5 ms |
| Surface Treatment | Anti-Glare Treatment (Haze 28%), 2H Hard Coating |
| **Frequency** | |
| Frequency (H) | 31 kHz-92 kHz |
| Frequency (V) | 48 Hz-85 Hz |
| **Signal Input** | |
| DisplayPort | 1.2 x 1 |
| HDMI | 1.3b x 2 |
| DVI | 24-Pin DVI-D |
| VGA | 15-Pin D-Sub x 1 |
| Component | BNC x 1 |
| Composite | BNC x 1 (Share with Component-Y ) |
| **Signal Output** | |
| DisplayPort | 1.2 x 1 |
| DVI | 29-Pin DVI-I x 1 (VGA/DVI/HDMI/OPS) |
| **External Control** | |
| IR In | 3.5 mm Phone Jack |
| IR Out | 3.5 mm Phone Jack |
| RS232 In | 2.5 mm Phone Jack |
| RS232 Out | 2.5 mm Phone Jack |
| LAN | RJ45 x 2 |
| **Other Connectivity** | |
| USB | 2.0 x 1 (Service Port / Media Playback) |
| OPS Slot | Yes |
| **Audio** | |
| Audio In | Stereo Audio Jack (3.5 mm), Stereo Audio Jack (RCA) |
| Audio Out | Stereo Audio Jack (3.5 mm) |
| Internal Speakers | 10W x 2 |
| Speaker Output (RMS) | 10W x 2 |
| **Power** | |
| Power Supply | Internal |
| Power Requirements | AC 100-240V, 50/60 Hz |
| On Mode | 100W (On) |
| Standby Mode | < 0.5W |
| Off Mode | 0W |
| **Operating Conditions** | |
| Temperature | 0°C-40°C (32°F-104°F) |
| Humidity | 20%-80% (non-condensing) |
| **Storage Conditions** | |
| Temperature | -20°C-60°C (-4°F-140°F) |
| Humidity | 5%-90% (non-condensing) |
| **Mounting** | |
| VESA FPMPMI | Yes (400 x 400 mm) |
| **Security** | |
| Kensington Security Slot | Yes |
| **Dimensions** | |
| Product w/o Base (W x H x D) | 1213.4 x 684.2 x 99.15 mm (47.8" x 26.9" x 3.9") |
| Packaging (W x H x D) | 1395.0 x 848.0 x 280.0 mm (47.8" x 33.4" x 11.0" ) |
| **Weight** | |
| Product w/o Base | 24.4 kg (53.8 lb) |
| Packaging | 32.7 kg (72.1 lb) |
| **Regulation Approval** | |
| Certifications & Compliance | CE ,CB ,FCC, WEEE, RoHS, REACH |
| **Accessories** | |
| Supplied | Power Cord, HDMI Cable, RS232 Cable, Remote Control, Batteries, RS232 Daisy Chain Cable, IR Sensor, Quick Start Guide |
| **Optional Accessories** | |
| Floor Mount | FMS-01, FMS-02, FMC-02 |
| Floor Mount (Landscape only) | FMC-03+LMK-04, FMC-04+LMK-04 |
| Ceiling Mount (Landscape only) | CMP-01+LMK-01 |
| Video Wall Mount | VWM-01, VWM-02 |
| Wall Mount | LMA-01, LMA-02 |
| Wall Mount (Landscape only) | LMK-01, LMK-03 |
| Desk mount (Landscape only) | DTS-01 |
| Stand | STD-05 |

All specifications are subject to change without prior notice.
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