# Signage Distributing Anywhere, Managing Everywhere

# NSD-Series

The NSD-Series 4K digital signage displays with embedded Android OS, Neovo Signage cloud-based Content Management Systems (CMS) and versatile media player are designed to provide a smart and flexible digital signage solution. Featuring the cloud-based content management system, users can remotely manage signage campaigns and devices with internet browser. Digital media such as photos, music and videos can be uploaded to the reliable cloud server. Users are allowed to design campaigns with a variety of apps and instantly publish signage campaigns anywhere. The NSD-Series displays are ideally designed for retail shops, restaurants, hotels and other public spaces.

**4K** ULTRA HD · Anti-Burn-in™ · CMS · OPS

1920
1080
FHD

3840
2160
4K UHD

## Experience the 4K Difference

Don't miss a single detail with this powerful 4K display. View smooth 4K video and images with a new level of detail and clarity. Offering 8.3 million pixels, the NSD-Series provides the ultimate digital signage experience.

## World-Wide Content Access and Device Management

Working exclusively with NSD-Series displays, Neovo Signage cloud-based CMS enables you to create and schedule the signage campaigns, manage devices, and update content via browser no matter where you are. Users can simply create campaigns with the intuitive interface without any technical skills. Plus the downloadable dynamic and interactive signage apps, you can create eye-catching messaging as you need.



## Enhanced Android-Powered Digital Signage Solution

With Android OS embedded into the display, you can easily integrate apps from a variety of supported Android apps. For additional convenience, you are able to assign the app or preloaded LAN-based CMS as a video source to enhance the flexibility of your signage application. Using the integrated HTML5 browser, you can display online or cloud-based content.

## Versatile Content Playback and Scheduling

The embedded 4K media player allows to conveniently play content from a USB drive, micro SD or the internal storage. Simply create scheduled playlists with the included remote control to display your personalized content.



## 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

- 4K UHD 3840 x 2160 resolution
- Anti-Burn-in™ technology prevents image ghosting
- Durable metal housing (86" and 75" only)
- Image Enhancer: 3D Comb Filter / Noise Reduction / Freeze
- Versatile connectivity: DisplayPort*, HDMI, DVI*, VGA
- Embedded Neovo Signage Cloud-based content management system (CMS) for world-wide content and devices management
- Media Playback: play photos, videos and music from a USB drive or micro SD card
- Free LAN-based content management system
- Android OS 5.0.1

- An integrated scheduler allows content programming based on time and day
- Alink™ function for synchronized powering on/off via HDMI
- OPS slot for easy digital signage player integration (86", 75" and 65" only)
- RS232/LAN/IR control - provides compatibility with control systems
- Black-level adjustment for presenting more details in dark images
- Selectable gamma curves optimise different kinds of images
- Built-in speakers
- VESA mount compatibility for flexible installation

*\* Product features may vary by models*

| Specifications | NSD-4301Q | NSD-5501Q | NSD-6501Q |
|---|---|---|---|
| **Panel** | | | |
| Panel Type | LED-Backlit TFT LCD (VA Technology) | LED-Backlit TFT LCD (VA Technology) | LED-Backlit TFT LCD (VA 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 | 350 cd/m² | 350 cd/m² | 350 cd/m² |
| Contrast Ratio | 5000:1 | 4000:1 | 5000:1 |
| 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 2%), 3H Hard Coating | Anti-Glare Treatment (Haze 2%), 3H Hard Coating | Anti-Glare Treatment (Haze 2%), 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 |
| HDMI | 2.0 x 2 | 2.0 x 2 | 2.0 x 4 |
| DVI | 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 |
| **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 |
| **Embedded Player** | | | |
| OS | Android 5.0.1 | Android 5.0.1 | Android 5.0.1 |
| CPU | 1 Ghz Quad Core Full HD | 1 Ghz Quad Core Full HD | 1 Ghz Quad Core Full HD |
| Memory | 2 GB DDR3 | 2 GB DDR3 | 2 GB DDR3 |
| Storage | 8 GB eMMC | 8 GB eMMC | 8 GB eMMC |
| **Other Connectivity** | | | |
| USB | 2.0 x 1 (Service Port / Media Playback) / 3.0 x 1 (Media Payback) | 2.0 x 1 (Service Port / Media Playback) / 3.0 x 1 (Media Payback) | 2.0 x 1 (Service Port / Media Playback) / 2.0 x 1 (Media Playback) / 3.0 x 1 (Media Playback) / USB Power Outlet x 1 (5V2A) |
| OPS Slot | - | - | Yes |
| Micro SD Card Slot | Yes | Yes | Yes |
| **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 (RCA) | Stereo Audio Jack (RCA) | Stereo Audio Jack (RCA) |
| Internal Speakers | 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 | 101W (On) | 132W (On) | 185W (On) |
| Stand-by Mode | < 0.3W | < 0.3W | < 0.3W |
| Off Mode | 0W | 0W | 0W |
| **Operating Conditions** | | | |
| Temperature | 5°C-40°C (41°F-104°F) | 5°C-40°C (41°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 (400 x 400 mm & 200 x 200 mm) | Yes (400 x 400 mm & 400 x 200 mm) | Yes (400 x 400 mm) |
| **Security** | | | |
| Kensington Security Slot | Yes | Yes | Yes |
| **Dimensions** | | | |
| Product w/o Base (W x H x D) | 968.2 x 559.4 x 59.9 mm (38.1" x 22.0" x 2.4") | 1239.2 x 711.6 x 61.7 mm (48.8" x 28.1" x 2.4") | 1458.7 x 834.7 x 81.6 mm (54.7" x 32.9" x 3.2") |
| Packaging (W x H x D) | 1070.0 x 696.0 x 159.0 mm (42.1" x 27.4" x 6.3") | 1366.0 x 864.0 x 185.0 mm (53.7" x 34.0" x 7.3") | 1655.0 x 1078.0 x 280.0 mm (65.2" x 42.4" x 11.0") |
| **Weight** | | | |
| Product w/o Base | 8.7 kg (19.2 lb) | 16.0 kg (35.3 lb) | 24.8 kg (54.7 lb) |
| Packaging | 12.2 kg (26.9 lb) | 23.0 kg (50.7 lb) | 35.2 kg (77.6 lb) |
| **Regulation Approval** | | | |
| Certifications & Compliance | CE, LVD, WEEE, RoHS, REACH, EAC, FCC | CE, LVD, WEEE, RoHS, REACH, EAC, FCC,BSMI | CE, LVD, WEEE, RoHS, REACH, EAC, FCC |
| **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 (Landscape only) | FMS-01, FMS-02, FMC-02 | FMS-01, FMS-02, FMC-02, FMC-03+LMK-04, FMC-04+LMK-04 | FMS-01, FMS-02, FMC-02, FMC-03+LMK-04, FMC-04+LMK-04 |
| Ceiling Mount (Landscape only) | CMP-01+LMK-01, CMP-01+LMK-02, CMP-01+WMK-03 | CMP-01+LMK-01, CMP-01+LMK-02 | CMP-01+LMK-01 |
| Wall Mount (Landscape only) | WMA-01, LMA-01, LMK-01, LMK-02, LMK-03, WMK-03, LMA-02 | LMA-01, LMK-01, LMK-02, LMK-03, LMA-02 | LMA-01, LMK-01, LMK-03, LMA-02 |
| Desk Mount (Landscape only) | DTS-01 | DTS-01 | DTS-01 |
| Video Wall Mount (Landscape only) | VWM-01, VWM-02 | VWM-01, VWM-02 | VWM-01, VWM-02 |
| Stand | STD-07 | STD-07 | STD-08 |

| Specifications | NSD-7501Q | NSD-8601Q |
|---|---|---|
| **Panel** | | |
| Panel Type | LED-Backlit TFT LCD (IPS Technology) | LED-Backlit TFT LCD (IPS Technology) |
| Panel Size | 74.5" | 85.6" |
| Max. Resolution | UHD 3840 x 2160 | UHD 3840 x 2160 |
| Pixel Pitch | 0.429 mm | 0.494 mm |
| Brightness | 410 cd/m² | 410 cd/m² |
| Contrast Ratio | 1200:1 | 1200:1 |
| Viewing Angle (H/V) | 178°/178° | 178°/178° |
| Display Colour | 1.07B | 1.07B |
| Response Time | 5 ms | 5 ms |
| Surface Treatment | Anti-Glare Treatment (Haze 2%), 2H Hard Coating | Anti-Glare Treatment (Haze 3%), 2H Hard Coating |
| **Frequency** | | |
| Frequency (H) | 31 kHz-92 kHz | 31 kHz-92 kHz |
| Frequency (V) | 48 Hz-85 Hz | 48 Hz-85 Hz |
| **Signal Input** | | |
| DisplayPort | 1.2 x 1 | 1.2 x 1 |
| HDMI | 2.0 x 4 | 2.0 x 4 |
| VGA | 15-Pin D-Sub x 1 | 15-Pin D-Sub x 1 |
| **External Control** | | |
| IR In | 3.5 mm Phone Jack | 3.5 mm Phone Jack |
| IR Out | 3.5 mm Phone Jack | 3.5 mm Phone Jack |
| RS232 In | 2.5 mm Phone Jack | 2.5 mm Phone Jack |
| RS232 Out | 2.5 mm Phone Jack | 2.5 mm Phone Jack |
| LAN | RJ45 x 1 | RJ45 x 1 |
| RJ11 | Yes | Yes |
| **Embedded Player** | | |
| OS | Android 5.0.1 | Android 5.0.1 |
| CPU | 1 Ghz Quad Core Full HD | 1 Ghz Quad Core Full HD |
| Memory | 2 GB DDR3 | 2 GB DDR3 |
| Storage | 8 GB eMMC | 8 GB eMMC |
| **Other Connectivity** | | |
| USB | 2.0 x 1 (Service Port / Media Playback) / 2.0 x 1 (Media Playback) / 3.0 x 1 (Media Playback) / USB Power Outlet x 1 (5V2A) | 2.0 x 1 (Service Port / Media Playback) / 2.0 x 1 (Media Playback) / 3.0 x 1 (Media Playback) / USB Power Outlet x 1 (5V2A) |
| OPS Slot | Yes | Yes |
| Micro SD Card Slot | Yes | Yes |
| **Audio** | | |
| Audio In | Stereo Audio Jack (3.5 mm) | Stereo Audio Jack (3.5 mm) |
| Audio Out | Stereo Audio Jack (RCA) | Stereo Audio Jack (RCA) |
| Internal Speakers | 10W x 2 | 10W x 2 |
| **Power** | | |
| Power Supply | Internal | Internal |
| Power Requirements | AC 100-240V, 50/60 Hz | AC 100-240V, 50/60 Hz |
| On Mode | 233W (On) | 295W (On) |
| Stand-by Mode | < 0.5W | < 0.5W |
| Off Mode | < 0.3W | < 0.3W |
| **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 | 10%-90% (non-condensing) | 10%-90% (non-condensing) |
| **Mounting** | | |
| VESA FPMPMI | Yes (600 x 400 mm) | Yes (600 x 400 mm) |
| **Dimensions** | | |
| Product w/o Base (W x H x D) | 1676.6 x 955.0 x 73.8 mm (66.0" x 37.6" x 2.9") | 1927.9 x 1098.9 x 85.9 mm (75.9" x 43.3" x 3.4") |
| Packaging (W x H x D) | 1832.0 x 1283.0 x 280.0 mm (72.1" x 50.5" x 8.2") | 2224.0 x 1427.0 x 373.0 mm (87.6" x 56.2" x 14.7") |
| **Weight** | | |
| Product w/o Base | 53.0 kg (116.8 lb) | 63.8 kg (140.7 lb) |
| Packaging | 65.5 kg (144.4 lb) | 93.0 kg (205.0 lb) |
| **Regulation Approval** | | |
| Certifications & Compliance | CB, CE, FCC, RoHS, WEEE, REACH | CE, CB, FCC, RoHS, WEEE, 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 |
| **Optional Accessories** | | |
| Floor Mount (Landscape only) | FMC-03+LMK-04, FMC-04+LMK-04 | FMC-03+LMK-04, FMC-04+LMK-04 |
| Ceiling Mount (Landscape only) | CMP-01+LMK-01 | - |
| Wall Mount (Landscape only) | LMK-01, LMK-03 | LMK-01, LMK-03 |

REACH    RoHS COMPLIANT    WEEE

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