# ∆G neovo

**THE DISPLAY CHOICE
OF PROFESSIONALS™**

# X-Series LED-backlit Display 15" | 17" | 19" | 22" | 24"

## Versatility Beyond Limitations

Anti-Burn-in™  ·  NeoV™ OPTICAL GLASS  ·  PIP  PBP  ·  EcoSmart  ·  Gamma

The X-Series durable displays are designed for reliable 24/7 operation in the demanding environments. With the selectable gamma curves and versatile connectivity, the enhanced X-Series provides an optimal visual experience with excellent colour, brightness, and contrast ratio. NeoV™ Optical Glass and metal casing shield it from scratches and other damages which make it ideal for public, retail, laboratory, and industrial applications.

X-22E / X-24E

X-15E / X-17E / X-19E

displays.agneovo.com

Others      AG Neovo X-Series

## Enhanced Gamma Selection

Selectable gamma curves visually optimise different kinds of images. The AG Neovo specialised image settings enhance colour, brightness, sharpness and contrast ratio, allowing the X-Series to improve the light, shadows and colour balance of videos.

## Versatility, Productivity and Compatibility

Visualize critical data and engage with multiple video sources and PC applications with versatile connectivity options, including DisplayPort and HDMI, and PiP/PbP to increase productivity and efficiency. Selectable aspect ratio and zoom functions provide compatibility with different video sources.





**METAL CASING**

**24/7**

## High Reliability

Designed for 24/7 operation, these durable metal-housed displays protected with NeoV™ Optical Glass take advantage of superior components to ensure a long product lifetime.

## Features

- LED-backlit technology with 1920 x 1080 / 1280 x 1024 / 1024 x 768 resolutions
- VA panel technology ensures accurate colours and offers high contrast ratios with wide viewing angles (15" only)
- Anti-Burn-in™ technology prevents image ghosting
- NeoV™ Optical Glass and metal housing for excellent cleanability and protection
- Crisp 20,000,000 dynamic contrast ratio
- PiP/PbP functions enable multi-source viewing simultaneously
- Image enhancer: Deinterlace / Noise Reduction
- Versatile connectivity: DisplayPort, HDMI, DVI, VGA

- Front-sided IP22 Compliant (IEC 60529 Standard) (17", 19", 22" and 24" only)
- EcoSmart Sensor automatically adjusts brightness level according to ambient lighting conditions
- Flicker-free display technology reduces eye discomfort
- Built-in speakers
- Selectable gamma curves optimise different kinds of images
- Lockable control keys to prevent tampering in public environments
- Designed and developed for continous 24/7 operation
- Premium-grade panel for high reliability and long product lifetime
- Available also in white

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| Specifications | X-15E | X-17E | X-19E |
|---|---|---|---|
| **Panel** | | | |
| Panel Type | LED-Backlit TFT LCD (VA Technology) | LED-Backlit TFT LCD (TN Technology) | LED-Backlit TFT LCD (TN Technology) |
| Panel Size | 15.0" | 17.0" | 19.0" |
| Max. Resolution | XGA 1024 x 768 | SXGA 1280 x 1024 | SXGA 1280 x 1024 |
| Pixel Pitch | 0.297 mm | 0.264 mm | 0.294 mm |
| Brightness | 300 cd/m² | 250 cd/m² | 250 cd/m² |
| Contrast Ratio | 20,000,000:1 (DCR) | 20,000,000:1 (DCR) | 20,000,000:1 (DCR) |
| Viewing Angle (H/V) | 176°/176° | 170°/160° | 170°/160° |
| Display Colour | 16.2M | 16.7M | 16.7M |
| Response Time | 5 ms | 3 ms | 3 ms |
| **Frequency** | | | |
| Frequency (H) | 24 kHz-83 kHz | 24 kHz-83 kHz | 24 kHz-83 kHz |
| Frequency (V) | 50 Hz-75 Hz | 50 Hz-75 Hz | 50 Hz-75 Hz |
| **Signal Input** | | | |
| DisplayPort | x 1 | x 1 | x 1 |
| HDMI | 1.4 x 1 | 1.4 x 1 | 1.4 x 1 |
| 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 |
| **Audio** | | | |
| Audio In | Stereo Audio Jack (3.5 mm) | Stereo Audio Jack (3.5 mm) | Stereo Audio Jack (3.5 mm) |
| Internal Speakers | 2W x 2 | 2W x 2 | 2W x 2 |
| **Power** | | | |
| Power Supply | External | External | External |
| Power Requirements | DC 12V, 1.49A | DC 12V, 1.58A | DC 12V, 1.72A |
| On Mode | 12W (On) | 14W (On) | 15W (On) |
| Stand-by Mode | < 0.5W | < 0.5W | < 0.5W |
| Off Mode | < 0.5W | < 0.5W | < 0.5W |
| **Glass** | | | |
| Thickness | 3.0 mm (0.12") | 3.0 mm (0.12") | 3.0 mm (0.12") |
| Reflection Rate | < 1% | < 1% | < 1% |
| Transmission Rate | > 97% | > 97% | > 97% |
| Hardness | > 9H | > 9H | > 9H |
| **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 | 10%-90% (non-condensing) | 10%-90% (non-condensing) | 10%-90% (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%-95% (non-condensing) | 5%-95% (non-condensing) | 5%-95% (non-condensing) |
| **Mounting** | | | |
| VESA FPMPMI | Yes (100 x 100 mm & 75 x 75 mm) | Yes (100 x 100 mm & 75 x 75 mm) | Yes (100 x 100 mm & 75 x 75 mm) |
| **Stand** | | | |
| Tilt | 0° to 20° | 0° to 22° | 0° to 22° |
| **Security** | | | |
| Kensington Security Slot | Yes | Yes | Yes |
| **Dimensions** | | | |
| Product with Base (W x H x D) | 380.0 x 359.0 x 155.0 mm (15.0" x 14.1" x 6.1") | 409.4 x 398.2 x 175.0 mm (16.1" x 15.7" x 6.9") | 445.4 x 420.2 x 175.0 mm (17.5" x 16.5" x 6.9") |
| Product w/o Base (W x H x D) | 380.0 x 315.0 x 53.5 mm (15.0" x 14.1" x 2.1") | 409.4 x 361.9 x 64.5 mm (16.1" x 15.7" x 2.5") | 445.4 x 383.9 x 64.5 mm (17.5" x 15.1" x 2.5") |
| Packaging (W x H x D) | 470.0 x 460.0 x 199.0 mm (18.5" x 18.1" x 7.8") | 506.0 x 506.0 x 225.0 mm (19.9" x 19.9" x 8.9") | 552.0 x 526.0 x 225.0 mm (21.7" x 20.7" x 8.9") |
| **Weight** | | | |
| Product w/o Base | 4.2 kg (9.3 lb) | 5.2 kg (11.5 lb) | 6.0 kg (13.2 lb) |
| Product with Base | 4.6 kg (10.1 lb) | 6.0 kg (13.2 lb) | 6.8 kg (15.0 lb) |
| Packaging | 5.8 kg (12.8 lb) | 7.5 kg (16.5 lb) | 8.5 kg (18.7 lb) |
| **Regulation Approval** | | | |
| Certifications & Compliance | CE, LVD, RoHS, WEEE, REACH, EAC | CE,LVD, RoHS, WEEE, REACH, EAC | LVD, CE, RoHS, WEEE, REACH, EAC, FCC |
| **Accessories** | | | |
| Supplied | Power Adaptor, Power Cord, VGA Cable, Audio Cable, Quick Start Guide, Warranty Card | Power Adaptor, Power Cord, VGA Cable, Audio Cable, Quick Start Guide, Warranty Card | Power Adaptor, Power Cord, VGA Cable, Audio Cable, Quick Start Guide, Warranty Card |
| **Optional Accessories** | | | |
| Ceiling Mount (Landscape only) | CMP-01+WMK-03 | CMP-01+WMK-03 | CMP-01+WMK-03 |
| Wall Mount (Landscape only) | WMA-01, WMK-01, WMK-03, PMK-01 | WMA-01, WMK-01, WMK-03, PMK-01 | WMA-01, WMK-01 |
| Desk mount (Landscape only) | DMC-01, DMC-02D, DMS-01D, DMS-01Q, ES-02 | DMC-01, DMC-02D, DMS-01D, DMS-01Q, ES-02 | DMC-01, DMC-02D, DMS-01D, DMS-01Q, ES-02 |

| | X-15E | X-17E | X-19E |
|---|---|---|---|

| Specifications | X-22E | X-24E |
|---|---|---|
| **Panel** | | |
| Panel Type | LED-Backlit TFT LCD (TN Technology) | LED-Backlit TFT LCD (TN Technology) |
| Panel Size | 21.5" | 23.6" |
| Max. Resolution | FHD 1920 x 1080 | FHD 1920 x 1080 |
| Pixel Pitch | 0.248 mm | 0.272 mm |
| Brightness | 250 cd/m² | 300 cd/m² |
| Contrast Ratio | 20,000,000:1 (DCR) | 20,000,000:1 (DCR) |
| Viewing Angle (H/V) | 170°/160° | 170°/160° |
| Display Colour | 16.7M | 16.7M |
| Response Time | 3 ms | 3 ms |
| **Frequency** | | |
| Frequency (H) | 24 kHz-83 kHz | 24 kHz-83 kHz |
| Frequency (V) | 50 Hz-75 Hz | 50 Hz-75 Hz |
| **Signal Input** | | |
| DisplayPort | x 1 | x 1 |
| HDMI | 1.4 x 1 | 1.4 x 1 |
| DVI | 24-Pin DVI-D | 24-Pin DVI-D |
| VGA | 15-Pin D-Sub x 1 | 15-Pin D-Sub x 1 |
| **Audio** | | |
| Audio In | Stereo Audio Jack (3.5 mm) | Stereo Audio Jack (3.5 mm) |
| Internal Speakers | 2W x 2 | 2W x 2 |
| **Power** | | |
| Power Supply | External | External |
| Power Requirements | DC 12V, 3.33A | DC 12V, 3.33A |
| On Mode | 20W (On) | 19W (On) |
| Stand-by Mode | < 0.5W | < 0.5W |
| Off Mode | < 0.5W | < 0.5W |
| **Glass** | | |
| Thickness | 3.0 mm (0.12") | 3.0 mm (0.12") |
| Reflection Rate | < 1% | < 1% |
| Transmission Rate | > 97% | > 97% |
| Hardness | > 9H | > 9H |
| **Operating Conditions** | | |
| Temperature | 0°C-40°C (32°F-104°F) | 0°C-40°C (32°F-104°F) |
| Humidity | 10%-90% (non-condensing) | 10%-90% (non-condensing) |
| **Storage Conditions** | | |
| Temperature | -20°C-60°C (-4°F-140°F) | -20°C-60°C (-4°F-140°F) |
| Humidity | 5%-95% (non-condensing) | 5%-95% (non-condensing) |
| **Mounting** | | |
| VESA FPMPMI | Yes (100 x 100 mm & 75 x 75 mm) | Yes (100 x 100 mm & 75 x 75 mm) |
| **Stand** | | |
| Tilt | 0° to 15° | 0° to 15° |
| **Security** | | |
| Kensington Security Slot | Yes | Yes |
| **Dimensions** | | |
| Product with Base (W x H x D) | 513.2 x 368.5 x 155.0 mm (20.2" x 14.5" x 6.1") | 562.4 x 396.8 x 155.0 mm (22.1" x 15.6" x 6.1") |
| Product w/o Base (W x H x D) | 513.2 x 324.3 x 56.2 mm (20.2" x 12.8" x 2.2") | 562.4 x 352.6 x 56.2 mm (22.1" x 13.9" x 2.2") |
| Packaging (W x H x D) | 614.0 x 477.0 x 204.0 mm (24.2" x 18.8" x 8.0") | 672.0 x 517.0 x 204.0 mm (26.5" x 20.4" x 8.0") |
| **Weight** | | |
| Product w/o Base | 6.1 kg (13.4 lb) | 7.2 kg (15.9 lb) |
| Product with Base | 6.7 kg (14.7 lb) | 7.8 kg (17.2 lb) |
| Packaging | 8.7 kg (19.1 lb) | 10.0 kg (22.0 lb) |
| **Regulation Approval** | | |
| Certifications & Compliance | CB, CE, RoHS, WEEE, REACH, EAC | CE, CB, RoHS, WEEE, REACH, EAC |
| **Accessories** | | |
| Supplied | Power Adaptor, Power Cord, VGA Cable, Audio Cable, Quick Start Guide, Warranty Card | Power Adaptor, Power Cord, VGA Cable, Audio Cable, Quick Start Guide, Warranty Card |
| **Optional Accessories** | | |
| Ceiling Mount (Landscape only) | CMP-01+WMK-03 | CMP-01+WMK-03 |
| Wall Mount (Landscape only) | WMA-01, WMK-01, WMK-03, PMK-01 | WMA-01, WMK-01, WMK-03, PMK-01 |
| Desk mount (Landscape only) | DMC-01, DMC-02D, DMS-01D, DMS-01Q, ES-02 | DMC-01, DMC-02D, DMS-01D, DMS-01Q, ES-02 |

REACH   RoHS COMPLIANT   WEEE