

X-Series

LED-backlit Display 15" | 17" | 19" | 22" | 24"

Versatility Beyond Limitations



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





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.



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 continuous 24/7 operation
- Premium-grade panel for high reliability and long product lifetime
- Available also in white

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/m ²	250 cd/m ²	250 cd/m ²
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 FPM PMI	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	Power Adaptor, Power Cord, VGA Cable, Audio Cable, Quick	Power Adaptor, Power Cord, VGA Cable, Audio Cable, Quick
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

Specifications

X-22E

X-24E

Panel

Panel Type	LED-Backlit TFT LCD (TN Technology)	LED-Backlit TFT LCD (TN Technology)
Panel Size	21.5"	23.5"
Max. Resolution	FHD 1920 x 1080	FHD 1920 x 1080
Pixel Pitch	0.248 mm	0.272 mm
Brightness	250 cd/m ²	300 cd/m ²
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 FPM/PMI	Yes (100 x 100 mm & 75 x 75 mm)	Yes (100 x 100 mm & 75 x 75 mm)
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Stand

Tilt	0° to 15°	0° to 15°
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Security

Kensington Security Slot	Yes	Yes
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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
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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
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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