

HX-Series

LED-backlit Display 24" | 32" | 42" | 55"

Monitor High-Definition,
Real-time Video
with Zero Latency



The HX-Series offers native Full HD resolution with high contrast ratio, wide viewing angles and consistency of picture quality. The HX-Series is built to survive the rigors of production in studios and surveillance environments, the solid protection of a metal enclosure housing the NeoV™ Optical Glass and Anti-Burn-in™ technology makes it a fitting choice for a full spectrum of professional applications that require 24/7 nonstop operation.



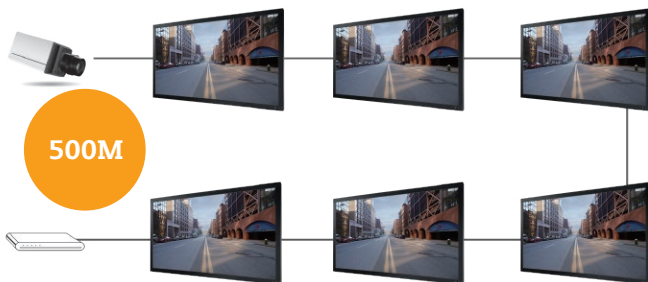
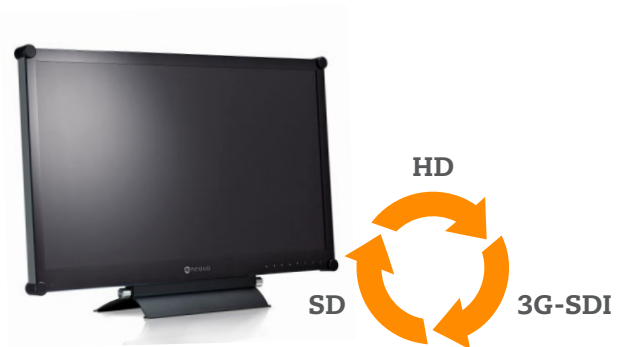


Superb Image Quality Guaranteed

Selectable gamma curve visually optimizes different kinds of images. The AG Neovo specialized image settings enhance colour, brightness, sharpness and contrast ratio, allowing the HX-Series to improve the light, shadows and colour balance of videos.

Automatic SDI Switching

HX-Series has been designed for broadcasting as well as surveillance and includes support for multiple SDI video standards, including SD, HD and 3G-SDI formats. All video formats can be connected and changed at any time, the HX-Series will automatically switch to the new format.



Easy to Connect

The HX-Series offers a wide variety of inputs for compatibility with the majority of video and data sources. Its high-quality HD-SDI input and loop through HD-SDI output makes it easy to connect other gear without the need for a splitter.

Industry-leading Reliability

The HX-Series is specially designed to transcend the challenge of enduring 24/7 operations. AG Neovo's Anti-Burn-in™ technology also prevents image ghosting while performing nonstop mission-critical operations. Its metal casing and NeoV™ Optical Glass not only protect the HX-Series from damage but also keep maintenance easy.



Features

- Full HD 1920 x 1080 resolution
- VA and IPS Panel technology ensures accurate colours and offers high contrast ratios with wide viewing angles
- Anti-Burn-in™ technology prevents image ghosting
- NeoV™ Optical Glass and metal housing for excellent cleanability and protection
- Image Enhancer: 3D Comb Filter / Deinterlace / Noise Reduction
- Supports multiple SDI formats: 3G/HD/SD-SDI
- Embedded audio in SDI up to 8 channels of 48kHz
- Versatile connectivity: 3G SDI, 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 (32"42" and 55" only)
- Alink™ function for synchronized powering on/off via HDMI
- DisplayPort, DVI, RS232, LAN, IR daisy chain support
- SDI loop-through output port
- Native tiling support for easy video wall setup (up to 10 x 10)
- Front-sided IP22 Compliant (IEC 60529 Standard)(24" only)
- EcoSmart Sensor automatically adjusts brightness level according to ambient lighting conditions
- HeatControl Sensors automatically activate the internal cooling fans when temperature rises (42" and 55" only)
- Black-level adjustment for presenting more details in dark images (24" only)
- Selectable gamma curves optimise different kinds of images
- Flexible display orientation: Landscape/Portrait
- Rigorous screening of the components for mission-critical 24/7 applications
- VESA mount compatibility for easy arm, wall or cart mounting

Specifications

HX-24E

Panel	
Panel Type	LED-Backlit TFT LCD (VA Technology)
Panel Size	23.6"
Max. Resolution	FHD 1920 x 1080
Pixel Pitch	0.272 mm
Brightness	250 cd/m ²
Contrast Ratio	20,000,000:1 (DCR)
Viewing Angle (H/V)	178°/178°
Display Colour	16.7M
Response Time	5 ms
Surface Treatment	Anti-Glare Treatment (Haze 25%), 3H Hard Coating
Frequency	
Frequency (H)	24 kHz-83 kHz
Frequency (V)	50 Hz-75 Hz
Signal Input	
SDI	BNC x 1
DisplayPort	x 1
HDMI	1.4 x 1
DVI	24-Pin DVI-D
VGA	15-Pin D-Sub x 1
Composite	BNC x 1
Signal Output	
SDI	BNC x 1
Composite	BNC x 1
External Control	
RS232 In	2.5 mm Phone Jack
Other Connectivity	
USB	2.0 x 1 (Service Port)
Audio	
Audio In	Stereo Audio Jack (3.5 mm), Stereo Audio Jack (RCA)
Internal Speakers	2W x 2
Power	
Power Supply	External
Power Requirements	DC 12V, 2.5A
On Mode	22W (On)
Stand-by Mode	< 0.5W
Off Mode	< 0.5W
Glass	
Thickness	3.0 mm (0.12")
Reflection Rate	< 1%
Transmission Rate	> 97%
Hardness	> 9H
Operating Conditions	
Temperature	0°C-40°C (32°F-104°F)
Humidity	10%-90% (non-condensing)
Storage Conditions	
Temperature	-20°C-60°C (-4°F-140°F)
Humidity	5%-95% (non-condensing)
Mounting	
VESA FPMPMI	Yes (100 x 100 mm & 75 x 75 mm)
Stand	
Tilt	0° to 15°
Security	
Kensington Security Slot	Yes
Dimensions	
Product with Base (W x H x D)	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)	562.4 x 352.6 x 56.2 mm (22.1" x 13.9" x 2.2")
Packaging (W x H x D)	662.0 x 511.0 x 210.0 mm (26.0" x 20.1" x 8.3")
Weight	
Product w/o Base	7.3 kg (16.0 lb)
Product with Base	7.9 kg (17.4 lb)
Packaging	9.9 kg (21.8 lb)
Regulation Approval	
Certifications & Compliance	CE, LVD,WEEE, RoHS, REACH,EAC
Accessories	
Supplied	Power Adaptor, Power Cord, VGA Cable, Audio Cable, Quick Start Guide, Warranty Card
Optional Accessories	
Ceiling Mount (Landscape only)	CMP-01+WMK-03
Wall Mount (Landscape only)	WMA-01, WMK-01, WMK-03, PMK-01
Desk Mount (Landscape only)	DMC-01, DMC-02D, DMS-01D, DMS-01Q, ES-02

Specifications	HX-32E	HX-42E	HX-55E
Panel			
Panel Type	LED-Backlit TFT LCD (VA Technology)	LED-Backlit TFT LCD (IPS Technology)	LED-Backlit TFT LCD (IPS Technology)
Panel Size	31.5"	41.9"	54.6"
Max. Resolution	FHD 1920 x 1080	FHD 1920 x 1080	FHD 1920 x 1080
Pixel Pitch	0.364 mm	0.483 mm	0.630 mm
Brightness	500 cd/m ²	700 cd/m ²	700 cd/m ²
Contrast Ratio	3000:01:00	1300:01:00	1300:01:00
Viewing Angle (H/V)	178°/178°	178°/178°	178°/178°
Display Colour	16.7M	16.7M	1.07B
Response Time	5 ms	5 ms	5 ms
Surface Treatment	Anti-Glare Treatment (Haze 2%), 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			
SDI	BNC x 1	BNC x 1	BNC x 1
DisplayPort	1.2 x 1	1.2 x 1	1.2 x 1
HDMI	1.4 x 2	1.4 x 2	1.4 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 (Share with Component-Y)	BNC x 1 (Share with Component-Y)	BNC x 1 (Share with Component-Y)
Signal Output			
SDI	BNC x 1	BNC x 1	BNC x 1
DisplayPort	1.2 x 1	1.2 x 1	1.2 x 1
DVI	29-Pin DVI-I x 1 (VGA/HDMI)	29-Pin DVI-I x 1 (VGA/HDMI)	29-Pin DVI-I x 1 (VGA/HDMI)
Composite	BNC x 1	BNC x 1	BNC 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
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)
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
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	65W (On)	94W (On)	140W (On)
Stand-by Mode	< 0.5W	< 0.5W	< 0.5W
Off Mode	< 0.5W	< 0.5W	< 0.5W
Glass			
Thickness	4.0 mm (0.16")	4.0 mm (0.16")	4.0 mm (0.16")
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	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 FPM/PMI	Yes (400 x 200 mm)	Yes (200 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)	757.6 x 452.0 x 75.1 mm (29.8" x 17.8" x 3.0")	987.2 x 581.2 x 83.0 mm (38.9" x 22.9" x 3.3")	1268.8 x 739.6 x 83.0 mm (50.0" x 29.1" x 3.3")
Packaging (W x H x D)	892.0 x 600.0 x 185.0 mm (35.1" x 23.6" x 7.3")	1161.0 x 759.0 x 203.0 mm (45.7" x 29.9" x 8.0")	1475.0 x 936.0 x 223.0 mm (58.1" x 36.9" x 8.8")
Weight			
Product w/o Base	15.2 kg (33.5 lb)	23.2 kg (51.1 lb)	37.1 kg (81.8 lb)
Packaging	17.8 kg (39.2 lb)	27.2 kg (60.0 lb)	43.8 kg (96.6 lb)
Regulation Approval			
Certifications & Compliance	FCC, CE, CCC, WEEE, RoHS, REACH, LVD, BSMI	FCC, CE, WEEE, RoHS, REACH, LVD	FCC, CE, WEEE, RoHS, REACH, LVD
Accessories			
Supplied	Power Cord, RS232 Cable, Remote Control, Batteries, RS232 Daisy Chain Cable, Quick Start Guide	Power Cord, RS232 Cable, Remote Control, Batteries, RS232 Daisy Chain Cable, Quick Start Guide	Power Cord, 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	-
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-02	CMP-01+LMK-01	CMP-01+LMK-01
Video Wall Mount	-	VWM-01, VWM-02	VWM-01, VWM-02
Wall Mount	-	LMA-01, WMA-01, LMK-02, WMK-03	-
Wall Mount (Landscape only)	LMA-01, LMK-02	LMK-01, LMK-03	LMK-01, LMK-03
Desk Mount (Landscape only)	DTS-01	DTS-01	DTS-01
Stand	STD-09	STD-04	STD-04