

# HX-Series

LED-backlit Display 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.



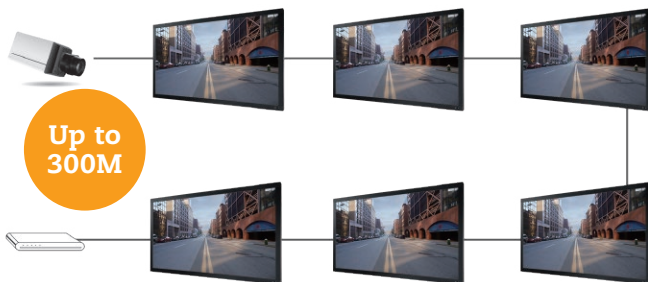


### Superb Image Quality Guaranteed

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
- 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)
- 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)
- 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-32E	HX-42E	HX-55E
<b>Panel</b>			
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 <sup>2</sup>	700 cd/m <sup>2</sup>	700 cd/m <sup>2</sup>
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
<b>Frequency</b>			
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
<b>Signal Input</b>			
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)
<b>Signal Output</b>			
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
<b>External Control</b>			
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
<b>Other Connectivity</b>			
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)
<b>Audio</b>			
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
<b>Power</b>			
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
<b>Glass</b>			
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
<b>Operating Conditions</b>			
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)
<b>Storage Conditions</b>			
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)
<b>Mounting</b>			
VESA FPM/PMI	Yes (400 x 200 mm)	Yes (200 x 200 mm)	Yes (400 x 400 mm)
<b>Security</b>			
Kensington Security Slot	Yes	Yes	Yes
<b>Dimensions</b>			
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")
<b>Weight</b>			
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)
<b>Regulation Approval</b>			
Certifications & Compliance	FCC, CE, CCC, WEEE, RoHS, REACH, LVD, BSMI	FCC, CE, WEEE, RoHS, REACH, LVD	FCC, CE, WEEE, RoHS, REACH, LVD
<b>Accessories</b>			
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
<b>Optional Accessories</b>			
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-04	STD-04