

# HX-Series LCD Display 55" | 42" | 32"

Monitor Uncompressed  
High-definition Video  
with Ultra-Low Latency



The HX-Series offers native Full HD resolution with high contrast ratio, wide viewing angles and consistency of picture quality. Its SDI input receives mega-pixel images directly from 3G-SDI devices without signal interruption. 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.



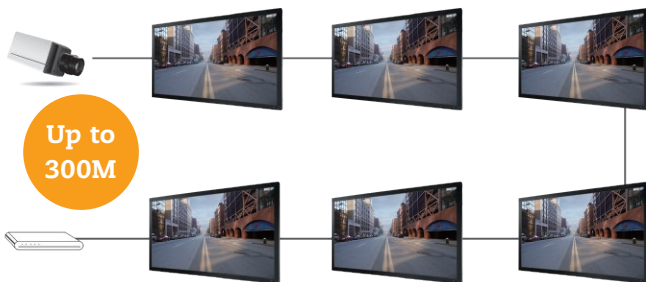


### Superb Image Quality Guaranteed

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

The HX-Series has been designed for broadcast 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 detect the input signal and switch formats as needed.



### 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
- 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

		<b>HX-55E</b>	<b>HX-42E</b>
<b>Panel</b>	Panel Type Panel Size Max. Resolution Pixel Pitch Brightness Contrast Ratio Viewing Angle (H/V) Display Colour Response Time Surface Treatment	LED-Backlit TFT LCD (IPS Technology) 54.6" FHD 1920 x 1080 0.630 mm 700 cd/m <sup>2</sup> 1300:1 178°/178° 1.07B 5 ms Anti-Glare Treatment (Haze 10%), 3H Hard Coating	LED-Backlit TFT LCD (IPS Technology) 41.9" FHD 1920 x 1080 0.483 mm 700 cd/m <sup>2</sup> 1300:1 178°/178° 16.7M 5 ms Anti-Glare Treatment (Haze 10%), 3H Hard Coating
<b>Frequency (H/V)</b>	H Freq. V Freq.	31 kHz-92 kHz 48 Hz-85 Hz	31 kHz-92 kHz 48 Hz-85 Hz
<b>Input</b>	SDI DisplayPort HDMI DVI VGA Component Composite	BNC x 1 1.2 x 1 1.4 x 2 24-Pin DVI-D x 1 15-Pin D-Sub x 1 BNC x 1 BNC x 1 (Share with Component-Y)	BNC x 1 1.2 x 1 1.4 x 2 24-Pin DVI-D x 1 15-Pin D-Sub x 1 BNC x 1 BNC x 1 (Share with Component-Y)
<b>Output</b>	SDI DisplayPort VGA/DVI/HDMI Composite	BNC x 1 1.2 x 1 29-Pin DVI-I x 1 BNC x 1	BNC x 1 1.2 x 1 29-Pin DVI-I x 1 BNC x 1
<b>External Control</b>	IR in/out RS232 in/out LAN (RJ45)	3.5 mm Phone Jack 2.5 mm Phone Jack Yes	3.5 mm Phone Jack 2.5 mm Phone Jack Yes
<b>Other Connectivity</b>	USB	2.0 x 1 (Service Port / Media Playback)	2.0 x 1 (Service Port / Media Playback)
<b>Audio</b>	Audio In  Audio Out Internal Speakers	Stereo Audio Jack (3.5 mm) Stereo Audio Jack (RCA) Stereo Audio Jack (3.5 mm) 10W x 2	Stereo Audio Jack (3.5 mm) Stereo Audio Jack (RCA) Stereo Audio Jack (3.5 mm) 10W x 2
<b>SDI</b>	3G-SDI (SMPTE 424M) HD-SDI (SMPTE 292M)  SD-SDI (SMPTE 259M)	1080p @50/60fps 720p @25/30/50/60fps, 1080p @24/25/30/50/60fps 1080i @50/60fps 480i @60fps, 576i @50fps	1080p @50/60fps 720p @25/30/50/60fps, 1080p @24/25/30/50/60fps 1080i @50/60fps 480i @60fps, 576i @50fps
<b>Power</b>	Power Supply Power Requirements On Mode Stand-by Mode Off Mode	Internal AC 100-240V, 50/60 Hz 140W (On) < 0.5W < 0.5W	Internal AC 100-240V, 50/60 Hz 94W (On) < 0.5W < 0.5W
<b>NeoV™ Optical Glass</b>	Thickness Reflection Rate Transmission Rate Hardness	4.0 mm (0.16") < 1% > 97% > 9H	4.0 mm (0.16") < 1% > 97% > 9H
<b>Operating Conditions</b>	Temperature Humidity	0°C-40°C (32°F-104°F) 20%-80% (non-condensing)	0°C-40°C (32°F-104°F) 20%-80% (non-condensing)
<b>Storage Conditions</b>	Temperature Humidity	-20°C-60°C (-4°F-140°F) 5%-90% (non-condensing)	-20°C-60°C (-4°F-140°F) 5%-90% (non-condensing)
<b>Mounting</b>	VESA FPM/PMI	Yes (400 x 400 mm)	Yes (200 x 200 mm)
<b>Security</b>	Kensington Security Slot	Yes	Yes
<b>Dimensions</b>	w/o Base (W x H x D) Packaging (W x H x D)	1268.8 x 739.6 x 83.0 mm (50.0" x 29.1" x 3.3") 1475 x 936.0 x 223.0 mm (58.1" x 36.9" x 8.8")	987.2 x 581.2 x 83.0 mm (38.9" x 22.9" x 3.3") 1161.0 x 759.0 x 203.0 mm (45.7" x 29.9" x 8.0")
<b>Weight</b>	w/o Base Packaging	37.1 kg (81.8 lb) 43.8 kg (96.6 lb)	23.2 kg (51.1 lb) 27.2 kg (60.0 lb)
<b>Regulation Approval</b>	Certifications & Compliance	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
<b>Optional Accessories</b>		Video Wall Mounst: VWM-01, VWM-02 Stand: STD-04 Ceiling Mount (Landscape only): CMP-01 + LMK-01 Wall Mounts (Landscape only): LMK-01, LMK-03 Floor Mounts (Landscape only): FMC-03 + LMK-04, FMC-04 + LMK-04	Floor Mounts: FMS-01, FMS-02, FMC-02 Video Wall Mounst: VWM-01, VWM-02 Stand: STD-04 Ceiling Mount (Landscape only): CMP-01 + LMK-01 Wall Mounts (Landscape only): LMA-01, LMK-01, LMK-03, LMK-04 Floor Mounts (Landscape only): FMC-03 + LMK-04, FMC-04 + LMK-04



## Specifications

### HX-32E

<b>Panel</b>	Panel Type	LED-Backlit TFT LCD (VA Technology)
	Panel Size	31.5"
	Max. Resolution	FHD 1920 x 1080
	Pixel Pitch	0.364 mm
	Brightness	500 cd/m <sup>2</sup>
	Contrast Ratio	3000:1
	Viewing Angle (H/V)	178°/178°
	Display Colour	16.7M
	Response Time	5 ms
	Surface Treatment	Anti-Glare Treatment (Haze 2%), 3H Hard Coating
<b>Frequency (H/V)</b>	H Freq.	31 kHz-92 kHz
	V Freq.	48 Hz-85 Hz
<b>Input</b>	SDI	BNC x 1
	DisplayPort	1.2 x 1
	HDMI	1.4 x 2
	DVI	24-Pin DVI-D x 1
	VGA	15-Pin D-Sub x 1
	Component Composite	BNC x 1 BNC x 1 (Share with Component-Y)
<b>Output</b>	SDI	BNC x 1
	DisplayPort	1.2 x 1
	VGA/DVI/HDMI	29-Pin DVI-I x 1
	Composite	BNC x 1
<b>External Control</b>	IR in/out	3.5 mm Phone Jack
	RS232 in/out	2.5 mm Phone Jack
	LAN (RJ45)	Yes
<b>Other Connectivity</b>	USB	2.0 x 1 (Service Port / Media Playback)
<b>Audio</b>	Audio In	Stereo Audio Jack (3.5 mm) Stereo Audio Jack (RCA)
	Audio Out	Stereo Audio Jack (3.5 mm)
	Internal Speakers	10W x 2
<b>SDI</b>	3G-SDI (SMPTE 424M) HD-SDI (SMPTE 292M)	1080p @50/60fps 720p @25/30/50/60fps, 1080p @24/25/30/50/60fps 1080i @50/60fps
	SD-SDI (SMPTE 259M)	480i @60fps, 576i @50fps
<b>Power</b>	Power Supply	Internal
	Power Requirements	AC 100-240V, 50/60 Hz
	On Mode	65W (On)
	Stand-by Mode Off Mode	< 0.5W < 0.5W
<b>NeoV™ Optical Glass</b>	Thickness	4.0 mm (0.16")
	Reflection Rate	< 1%
	Transmission Rate	> 97%
	Hardness	> 9H
<b>Operating Conditions</b>	Temperature	0°C-40°C (32°F-104°F)
	Humidity	20%-80% (non-condensing)
<b>Storage Conditions</b>	Temperature	-20°C-60°C (-4°F-140°F)
	Humidity	5%-90% (non-condensing)
<b>Mounting</b>	VESA FPMPMI	Yes (400 x 200 mm)
<b>Dimensions</b>	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")
	Packaging (W x H x D)	892.0 x 600.0 x 185.0 mm (35.1" x 23.6" x 7.3")
<b>Weight</b>	w/o Base	15.2 kg (33.5 lb)
	Packaging	17.8 kg (39.2 lb)
<b>Regulation Approval</b>	Certifications & Compliance	FCC, CE, WEEE, RoHS, REACH, LVD, BSMI
<b>Accessories</b>	Supplied	Power Cord, RS232 Cable, Remote Control, Batteries, RS232 Daisy Chain Cable, Quick Start Guide
<b>Optional Accessories</b>		Floor Mounts: FMS-01, FMS-02, FMC-02 Stand: STD-09 Ceiling Mount (Landscape only): CMP-01 + LMK-02 Wall Mounts (Landscape only): LMA-01, LMK-01, LMK-02

All specifications are subject to change without prior notice.

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