

HX-55E

LED-backlit Display

Monitor Uncompressed
High-definition Video
with Ultra-Low Latency



The HX-55E 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-55E 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.





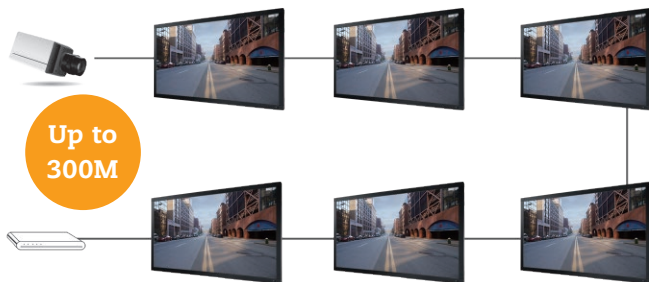
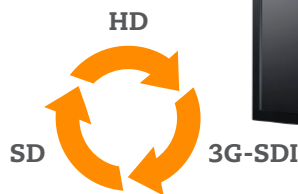
Superb Image Quality Guaranteed

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-55E to improve the light, shadows and colour balance of videos.



Automatic SDI Switching

The HX-55E 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-55E will automatically detect the input signal and switch formats as needed.



Easy to Connect

The HX-55E 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-55E 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-55E from damage but also keep maintenance easy.



Features

- Full HD 1920 x 1080 resolution
- Supports multiple SDI formats: 3G/HD/SD-SDI
- Embedded audio in SDI up to 8 channels of 48kHz
- Anti-Burn-in™ technology prevents image ghosting
- NeoV™ Optical Glass and metal housing for excellent cleanability and protection
- IPS Panel technology ensures accurate colours and offers high contrast ratios with wide viewing angles
- Image enhancer: 3D Comb Filter / Deinterlace / Noise Reduction
- 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 time and day
- SDI loop-through output port
- DisplayPort, HDMI, DVI, VGA, Composite, RS232, IR daisy chain support
- RJ45, RS232, IR device control support
- 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
- Selectable gamma curves optimise different kinds of images
- Flexible display orientation: Landscape/Portrait
- Designed and developed for continuous 24/7 operation



Specifications

HX-55E

Panel	Panel Type Panel Size Max. Resolution Pixel Pitch Brightness Contrast Ratio Viewing Angle (H/V) Display Colour Response Time	LED-Backlit TFT LCD (IPS Technology) 54.6" FHD 1920 x 1080 0.630 mm 700 cd/m ² 1300:1 178°/178° 1.07B 5 ms
Frequency (H/V)	H Freq. V Freq.	31 kHz-92 kHz 48 Hz-85 Hz
Input	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)
Output	SDI DisplayPort VGA/DVI/HDMI Composite	BNC x 1 1.2 x 1 29-Pin DVI-I x 1 BNC x 1
External Control	IR in/out RS232 in/out LAN (RJ45)	3.5 mm Phone Jack 2.5 mm Phone Jack Yes
Other Connectivity	USB	2.0 x 1 (Service Port / Media Playback)
Audio	Audio In Audio Out Internal Speakers	Stereo Audio Jack (3.5 mm) x 1 Stereo Audio Jack (RCA) x 1 Stereo Audio Jack (3.5 mm) x 1 10W x 2
SDI	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
Power	Power Supply Power Requirements On Mode Stand-by Mode Off Mode	Internal AC 100-240V, 50/60 Hz 140W (On) < 0.5W < 0.5W
NeoV™ Optical Glass	Thickness Reflection Rate Transmission Rate Hardness	4.0 mm (0.16") < 1% > 97% > 9H
Operating Conditions	Temperature Humidity	0°C-40°C (32°F-104°F) 20%-80% (non-condensing)
Storage Conditions	Temperature Humidity	-20°C-60°C (-4°F-140°F) 5%-90% (non-condensing)
Mounting	VESA FPMPI	Yes (400 x 400 mm)
Security	Kensington Security Slot	Yes
Dimensions	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")
Weight	w/o Base Packaging	37.1 kg (81.8 lb) 43.8 kg (96.6 lb)
Regulation Approval	Certifications & Compliance	FCC, CE, WEEE, RoHS, REACH, LVD
Accessories	Supplied	Power Cord, RS232 Cable, Remote Control, Batteries, RS232 Daisy Chain Cable, Quick Start Guide
Optional Accessories		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

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