



HD

Low-Cost HD/SD Digital AV Mixer with Easy Operation and Versatile Functions

All-in-One Unit for Low-Cost Operation

The AG-HMX100 Digital AV Mixer uses internal 12-bit digital processing to ensure high image quality. Highly compact, it integrates a built-in HD/SD video switcher, audio mixer, frame synchronizer, and control panel. The AG-HMX100 serves as a video/audio switcher, adds various effects, and transmits signals — all by itself. The 5.7-inch LCD screen displays a five-row matrix menu. Combined with rotary switches, this allows quick and easy function setting. The AG-HMX100 also features pattern preset, an event memory and other functions for comfortable operation.

A Wealth of Digital Inputs, Outputs and Effects

In addition to four SDI (HD/SD switchable) channels and two HDMI (in HD mode) channels for inputting digital video signals, the AG-HMX100 has a DVI-I input for inputting video and still-image data from a PC or a Mac. Built-in 2D effect and digital effect functions further increase image creation versatility. Chroma and luminance keying are also supported.

New Multi-View and Projector Control Functions

The new multi-view function displays a split screen to show PVW image, PGM image, all source images, audio level and waveform (WFM). This allows use of a single monitor for easy equipment setup and low-cost operation. The AG-HMX100 can also control a projector* (power ON/OFF, shutter ON/OFF) via RS-232C remote.

* The control function supports Panasonic projectors (equipped with an RS-232C terminal) only.

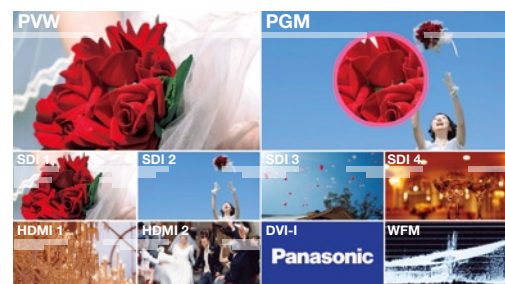
3D Compatible

The AG-HMX100 can operate as a 3D video switcher with dual SDI signal inputs from 3D cameras. It comes with two pairs of inputs and one pair of outputs for 3D video signals. When two AG-HMX100 units are connected, they can serve as a 3D video switcher for up to four 3D cameras.

* Only the switcher function operates. Effects such as ME cannot be used. Other functions such as multi-view, WFM and title mix are not supported.

Other New Functions

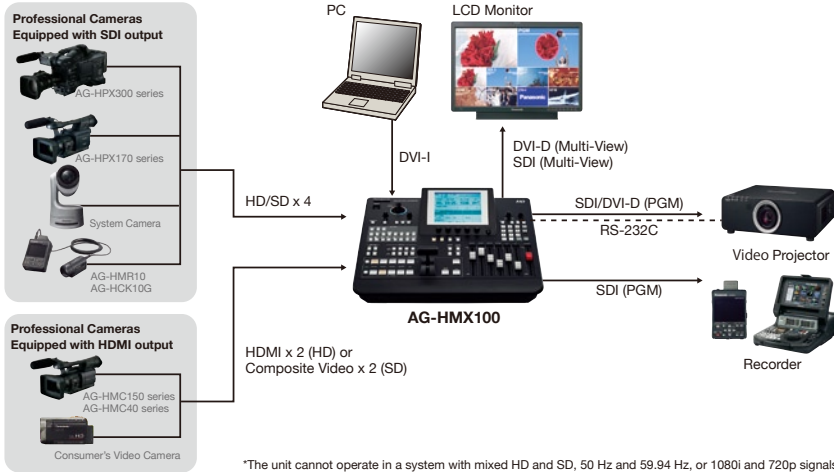
- Power management (auto power OFF) function
- On-screen display of source information and audio meter
- Versatile AUX output terminal



Multi-View Screen (simulated image)

AG-HMX100 Digital AV Mixer

System Example



AG-HMX100 Rear

Specifications

Power Source:	AC 100 V - 240 V, 50/60 Hz
Power Consumption:	60 W
Weight:	8.7 kg (19.2 lbs)
Dimensions:	W 424 mm x H 197 mm x D 400 mm (16-3/4" x 7-13/16" x 15-3/4")
Video Format*:	HD : 1080/59.94i, 1080/50i, 720/59.94p, 720/50p SD : 480/59.94i, 576/50i
Signal Processing:	4:2:2:4, 12 bit (internal process)
Video In:	Analog Composite x 2, SDI x 4, HDMI x 2, DVI-I x 1
Video Out:	PGM: SDI x 1, DVI-D x 1 PVW: SDI x 1 AUX: SDI x 1 MULTIVIEW: SDI x 1, DVI-D x 1
Audio In:	XLR x 4 (L/R), SDI (embedded audio) x 4 HDMI (embedded audio) x 2 AUX: Pin Jack x 1 (L/R) Microphone: M6 x 1
Audio Out:	PGM: XLR x 1 (L/R) SDI (embedded audio) x 1 Pin Jack x 1 (L/R) PVW: SDI (embedded audio) x 1 AUX: SDI (embedded audio) x 1 Headphone: M6 x 1
Other Terminals:	Reference In: BNC x 2 (loop-through) Advance Reference Out: BNC x 1 Tally Out: D-sub 9 pin x 1 GPI: BNC x 1 Remote: D-sub 9 pin x 1 (RS-232C)

*The unit cannot operate in a system with mixed HD and SD, 50 Hz and 59.94 Hz, or 1080i and 720p signals.

Specifications and functions are subject to change without notice.

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JQA-0443



Factories of Systems Business Group have received ISO14001:2004-the Environmental Management System certification. (Except for 3rd party's peripherals.)