



Introducing a 4K/12G-SDI compatible, Compact Live Switcher

The 12G-SDI compatible 4K Live Switcher AV-UHS500 has nearly all the basic functions of a high-end large models and is capable of 4K video production with the same operability as HD. Its integrated body is incredibly portable, making it ideal for music, sports, entertainment and other live events. In addition to 4K/3G/HD multi format support, installing additional optional units enables expansion to up to 16 SDI inputs to enable smooth operation at events with many cameras.

Keys enable a variety of program performance, so the unit has been equipped with five, including a 2ch of chroma-key and 2ch of PinP.

The switcher is also equipped with an up/down conversion function, HDR/SDR conversion function and ITU-R BT.2020/BT.709 conversion function. These enable the flexibility to select video output as needed in environments where there are a variety of formats being used.

The 4K Live Switcher is easy to use in a variety of applications, such as event staging, broadcast at stations and OB vans, lectures at universities, conference halls and so on, demonstrating incredible performance in live video production on the field.

Compatible Formats

3840 x 2160/59.94p, 50p, 29.97p, 25p, 24p, 23.98p

1080/59.94p, 50p, 29.97Psf, 25Psf, 24Psf, 23.98Psf, 59.94i, 50i

720/59.94p, 50p

4K Live Switcher AV-UHS500

Main Features

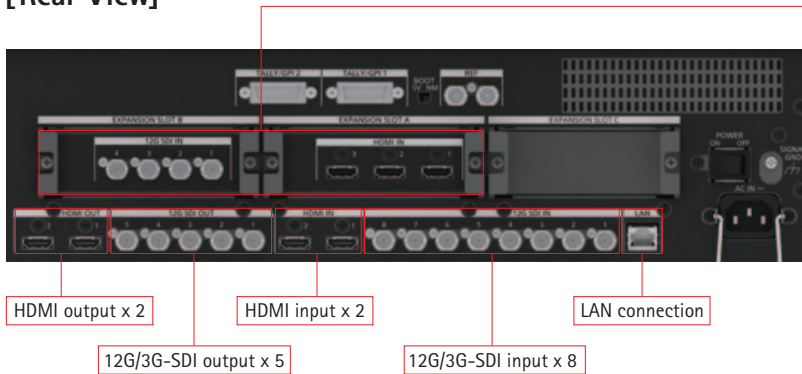
- 4K/3G/HD multi format compatible.
- 12G-SDI/3G-SDI/HDMI multi interface compatible.
- Compact, integrated body equipped with two optional unit slots.
- Inputs: Standard SDI: 8ch/16ch max*¹, standard HDMI: 2ch*²/8ch max*¹.
- Outputs: Standard SDI: 5ch/13ch max*¹, standard HDMI 2ch*³/8ch max*¹.
- 5 keyers with 2ch of Chroma-key and 2ch of PinP.
- Supports up/down conversion function, HDR/SDR conversion function and ITU-R BT.2020/BT.709 conversion function.
- 4 AUX BUS channels, AUX 1 and 2 with a mix transition function, and DSK 1 and 2 are assignable.
- A remote camera controller function for control of up to 16*¹ Panasonic 4K/HD Integrated Cameras.

[Functions]

| | HD mode | 4K mode |
|-------------------------------|---|--|
| SDI input | 3G-SDI x 8ch* ² (16ch max with additional SDI input unit) | 12G-SDI x 8ch* ² (16ch max with additional SDI input unit) |
| HDMI input | 2* ² (8ch max with additional HDMI input unit) | |
| Frame synchronizer | All inputs | |
| SDI output | 3G-SDI x 5ch (13ch max with additional SDI output unit) | 12G-SDI x 5ch (13ch max with additional SDI output unit) |
| HDMI output | 2* ³ (8ch max with additional HDMI input unit) | |
| BKGD transition | MIX/WIPE/DVE | MIX/WIPE (4K DVE Unit is required for DVE transition) |
| Keyer | 5 (ME x 3, DSK x 2) | |
| Chroma-key | 2 | |
| KEY transition | MIX/WIPE/DVE | MIX/WIPE (4K DVE Unit is required for DVE transition) |
| PinP | Included in Keyer | |
| Multi-viewer (HD output only) | 2 | |

*1: With optional unit installed. *2: SDI input reduced by the number of HDMI input channels used. HDMI input does not support CPRM (input not possible). *3: HDMI output format is video only, the same as the system format.

[Rear View]



■ Expandable to a variety of functions needed for applications using optional units

- **SDI Input Unit AV-UHS5M1G**
3G or 12G-SDI x 4 inputs, frame synchronizer, U/C, color correction, SDR/HDR conversion, ITU-R BT.709/BT.2020 conversion compatible
- **SDI Output Unit AV-UHS5M2G**
3G or 12G-SDI x 4 outputs, D/C, HDR/SDR conversion, ITU-R BT.2020/BT.709 conversion compatible
- **HDMI Input Unit AV-UHS5M3G**
HDMI 2.0 x 3 inputs, scalar for each channel
- **HDMI Output Unit AV-UHS5M4G**
HDMI 2.0 x 3 outputs, scalar for each channel
- **4K DVE Unit AV-UHS5M5G**
DVE function in 4K mode (BKGD x 1, Keyer x 1)

*Specifications are subject to change without notice.

* The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc. in the United States and other countries.

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For more information, please visit Panasonic web site
<https://pro-av.panasonic.net/en/qr/>



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



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