Panasonic AV-HSW10

ProdCode: PANAVHSW10EJ

IP Live Switcher with Intuitive and Compact Design

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Features

- IP Live Switcher with Intuitive and Compact Design
- Takes Online Communication One Level Higher
- Supports diverse IP protocols for smooth IP-based video production and distribution
- Broadcast-quality Video in a Compact, Notebook-size Chassis
- Conveniently Compact Switcher Achieves High-quality Video
- Diverse Interfaces to Suit Wide-ranging Needs
- Simple, Intuitive and Reliable Operation
- Auto Color Adjustment for Multi-camera Videos
- NDI® Signal with Alpha Channel for CG Materials
- Diverse Keyers for More Attractive Videos
- Multiviewer with 10 Selectable Patterns
- Remote Control with Software Control Panel
- Functionality Allowing Flexible Operation

Conveniently Compact Switcher Achieves High-quality Video

The AV-HSW10 supports 10-bit processing for broadcast-quality video and is also equipped with diverse functions necessary for high-quality video production, such as a frame synchronizer, Genlock, and various keyers. SDI input/output allows transmission at a minimum of 1H (when Genlock is used) or 1 frame + 1H (when frame synchronizer is used) facilitating stable video transmission with low latency. It also supports audio input, enabling switching between video and audio with a single unit. The AV-HSW10 takes video broadcasting to the next level, making it perfect for highly professional online lectures, corporate webinars and other live events that are gaining momentum these days.

Diverse Interfaces to Suit Wide-ranging Needs

In addition to 3G-SDI and HDMI, the AV-HSW10 supports NDI®*1 as well as SRT and many other IP transmission standards to suit contemporary video-production needs. Also included is a Switcher Link for linking with camera controllers and IP transmission of tally information to connected PTZ cameras. It also supports RTMP for direct upload to streaming services, and USB Video Class for compatibility with web conferencing services. The system can be adjusted based on the particular platform and site layout, enabling one-person operation from production to distribution.

Simple, Intuitive and Reliable Operation

The AV-HSW10 offers the simple, intuitive operability required in live production and ensures easy, error-free operation - all in a robust chassis design. The main unit features buttons and a fader - inspired by its predecessor, the AW-HS50, and has been enhanced for even greater operability essential for high-quality video distribution. On-screen display (OSD) also is supported.

Auto Colour Adjustment for Multi-camera Videos

The Auto Colour Adjustment function automatically adjusts the colour tone of videos captured from multiple cameras to match the colour tone of the selected camera. The colour tone of videos recorded and distributed using multiple cameras tends to vary from one camera to another, and this simple system can be used to equalize this.

NDI®*1 signal with Alpha Channel for CG Materials

Supports NDI®*1 input signal with alpha channel,*2 allowing CG materials with transparency information (alpha channels) to be input directly from a PC via a single LAN cable. This facilitates flexible operation, such as the easy editing of materials during an event.

Diverse Keyers for More Attractive Videos

Two channels of keyers can be programmed for PinP, linear, luminance or chroma key*3 enabling high-quality compositing achievable only with 10-bit signal processing. Two AUX buses are also provided.

MultiViewer with 10 Selectable Patterns

MultiViewer output is provided as standard, enabling up to 16 split screens to be displayed on a single screen. Split-layout options include 4, 5 (2 patterns), 6 (2 patterns), 9, 10 (2 patterns), 12 and 16 screens.

Remote Control with Software Control Panel*4

The AV-HSW10 is compatible with Panasonic's Software Control Panel*4 for video monitoring and switching with a networked PC. MultiView images can be checked remotely to divide up production tasks for greater on-site efficiency in the field.

*1: NDI® is a new protocol developed by NewTek, Inc. that supports IP video production workflow. NDI® is a registered trademark of NewTek, Inc. in the United States and other countries.
*2: High Bandwidth NDI® input is required when using NDI® input signal with alpha channel.
*3: Chroma key can only be selected from keyer 1. *4: Future support scheduled.
Note: Screen examples for illustration purpose only. Information subject to change without notice.