Panasonic
BUSINESS

AV-UHS5M6G
NDI I/F Unit
(Scheduled for release in March 2022)

Preliminary

NDI I/F Unit for Live Switcher AV-UHS500, featuring NDI® support and IP transmission via NDI® and NDI®|HX

- **NDI®*1 and NDI®|HX*1 signals can be input directly from cameras to the AV-UHS500 using a single LAN cable**

- **NDI®*1 signals enable the AV-UHS500 to be connected to a streaming PC using a single LAN cable**

- **Hardware processing enables the construction of highly-reliable IP systems**

- **Remote live production that supports video transmission and camera control can be achieved when used in a system with Panasonic cameras*2 with NDI®*1 and NDI®|HX*1 support**

*1: In this instance, NDI® is used to indicate low latency with high bandwidth NDI®, NDI®|HX is used to indicate high efficiency low bandwidth NDI®|HX. 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.
*2: Panasonic 4K/HD Integrated Cameras and Memory Card Camera Recorder AG-CX350. Refer to the Panasonic website [https://pro-av.panasonic.net/en/] for details on 4K/HD Integrated Cameras with NDI® and NDI®|HX support.

High-quality remote live production through NDI® and NDI®|HX

With this NDI I/F Unit attached, the Live Switcher AV-UHS500 supports input and output via the high quality, low latency video transmission of NDI®*[1] and the stable, low bit rate transmission of NDI®|HX*[1]. This enables the construction of IP streaming systems covering operations from video transmission to camera control using a single LAN cable and supports remote live video production at sports and other event venues.

Live Switcher
AV-UHS500

NDI®*[1] and NDI®|HX*[1] support

NDI®*[1] and NDI®|HX*[1] signals can be input directly from cameras to the AV-UHS500 with a single LAN cable. With NDI®*[1], the AV-UHS500 can be connected to a streaming PC with a single LAN cable. Up to two units can be fitted to a single AV-UHS500.

NDI®: Maximum 3-4 inputs (in HD mode), 1-2 outputs (in HD mode)
  : Maximum 1 input (in 4K mode), 1 output (in 4K mode)
NDI®|HX: Maximum 2 inputs (in HD mode)
* NDI®|HX version 2 is also supported.
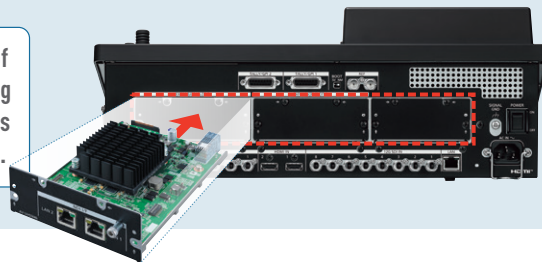 NDI®|HX is only supported for input and is only supported in HD mode.

Connection with a single LAN cable

Two LAN terminals (1 Gb each) secure a maximum bandwidth of 2 GB.

Frame Synchronizer for All Inputs

All input channels feature a built-in frame synchronizer. The Genlock function also supports synchronizing systems based on external sync signals (Black burst or Tri-level).

The unit is inserted into the back of the AV-UHS500 body, eliminating the need for complex configurations incorporating external converters.

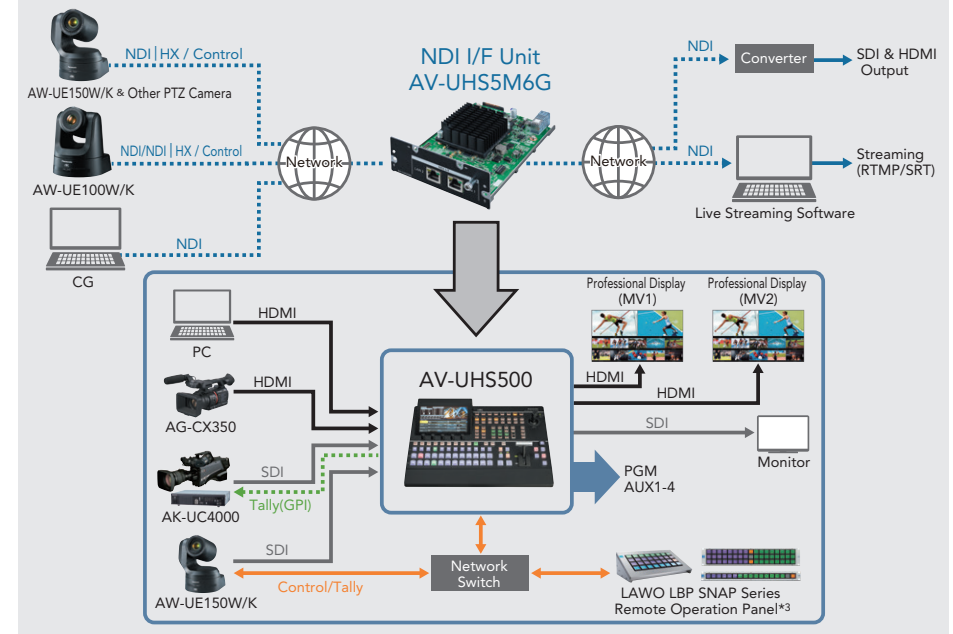• NDI I/F Unit AV-UHS5M6G
Rear View

NDI I/F
LAN 2   LAN 1
AV-UHS5M6

Remote live production

When used in combination with Panasonic cameras*[2] that support NDI®*[1] or NDI®|HX*[1], operations from video transmission to camera control and tally output can be performed using a single LAN cable. By supporting camera operation in addition to video transmission, this unit enables remote live video production.

• Example System Configuration

AW-UE150W/K & Other PTZ Camera
NDI|HX / Control
AW-UE100W/K
NDI/NDI|HX / Control
CG
NDI
Network
NDI I/F Unit
AV-UHS5M6G
Network
NDI
Converter → SDI & HDMI Output
NDI → Streaming (RTMP/SRT)
Live Streaming Software

PC — HDMI
AG-CX350 — HDMI
AK-UC4000 — SDI — Tally(GPI)
AW-UE150W/K — SDI — Control/Tally

AV-UHS500

Professional Display (MV1)
Professional Display (MV2)
HDMI   HDMI
SDI
PGM AUX1-4
Monitor
Network Switch
LAWO LBP SNAP Series Remote Operation Panel*[3]

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For more information, please visit Panasonic web site

Broadcast and Professional AV Website

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