

PWS-4400

4K / HD multi-port AV storage
unit



Overview

The PWS-4400 system is one of the key elements of Sony's next-generation 4K/HD live production solution

With the capability to record images in highly-efficient XAVC/Avid DNxHD^{®*} recording format, flexible I/O configurations, HFR recording capability, intuitive user interface for professional operators in the industry and many more, it can create an efficient slow replay server system that could be used in live sporting events for both 4K and HD infrastructures.

The PWS-4400 replay server system consists of 4 products – the PWS-4400 Multi Port AV Storage Unit (as a recording deck), the PWSK-4403 USB Control Device (as a control panel with a jog shuttle and a fader lever), the PWS-100PR1 Production Control Station (Workstation that runs production application software), and the PWS-100MG1 Media Gateway Station (Workstation that transfers files).

The PWS-4400 system has been evolving by ongoing software version upgrades, with the newest software V1.4 (available from May 2015), featuring enhancements such as HFR recording capability up to HD 480/400p and 4K/HD simultaneous recording and transcoding capability between XAVC and XDCAM MPEG2^{**}.

Moreover, the new associated Window's 8 PC running application software, the PWA-RCT1 Recording Control Software, which can trigger rec/stop/play/file transfer from a PC would add operational flexibility to the PWS-4400 so that it could be offered as an easy-to-use multi-port 4K/HD production recorder for wider variety of production usages.

* Requires V1.2 or above and the PWA-CD401 Optional Codec

** Requires V1.4 and the PWA-MGW1B Video Transcode Option to the PWS-100MG1 Media Gateway Station

Supporting both XAVC and Avid DNxHD®

* Requires V1.2 or above and PWA-CD401 optional codec

Flexible I/O configuration

4 channels 4K & QFHD

8 channels 2K & HD (1080 or 720)

Improved slow motion capabilities

Working with the HDC-4300 camera recording up to HD480/400P (8x slow motion HD)

* Requires Version 1.4.

Simultaneous 4K and HD recordings*

The PWS-4400 can record 4K and HD simultaneously, giving you the option of using the HD as a proxy.

* Requires Version 1.4.

Transcoding Capability between XAVC and XDCAM MPEG2 files

The PWS-4400 working with the PWS100MG1 Media Gateway Workstation allows you to transcode XAVC to and from XDCAM MPEG2 MXF for accessing media stored on USB Hard Drive, Optical Disc Archive and SxS cards.

* Requires PWS-4400 Version 1.4 and PWA-MGW1B Video Transcode Option.

An another option to control the PWS-4400

Simple and intuitive control of PWS-4400 using the new PWA-RCT1 Record Control Software, which can trigger rec/stop/play/file transfer from a PC would add operational flexibility to the PWS-4400 opens up the new applications for the PWS-4400 as a useful multi-port 4K/HD recorder.

Features

Flexible I/O configuration

4 channels 4K & QFHD

8 channels 2K & HD (1080 or 720)

Efficient XAVC video format and Avid DNxHD® option

The server supports the very efficient XAVC video format. In 4K workflow, the unit generates a 4K XAVC file that can be handled easily in non-linear editing systems (NLE). With Version 1.2, the unit supports the PWS-CD401 codec, providing Avid DNxHD® 220 422 10-bit and DNxHD 145 422 8-bit Full HD recordings.

* PWS-CD401 option required.

HFR support HD 8x slow motion and 4K 2x slow motion

HFR (High Frame Rate) recordings in HD at 3x or 8x slow motion with the HDC-4300 system camera*, HD 4x or 6x with the PMW-F55 and 4K 2x with the F65**.

* Requires Version 1.4.

** Requires Version 1.1 or above.

Simultaneous 4K and HD recordings*

The PWS-4400 can record 4K and HD simultaneously, giving you the option of using the HD as a proxy.

* Requires Version 1.4.

Easy transcoding between XAVC and XDCAM MPEG2 MXF files

The PWS-4400 working with the PWS100MG1 Media Gateway Workstation allows you to transcode XAVC to and from XDCAM MPEG2 MXF for accessing media stored on Optical Disc Archive and other storage devices.

* Requires PWS-4400 Version 1.4 and PWA-MGW1B optional software for PWS-100MG1.

Large internal storage capacity

The PWS-4400 provides 2TB of storage as standard, with the option to increase up to 8TB by adding 2TB storage option, the PWSK-4401 Internal Memory Array.

Variety of media supported

Media supported includes HDD, Optical Disc Archive, SxS card and Professional Disc.

Related products



PWS-100PR1

Production Control Workstation



PWA-MGW1B

Video Transcode Software

Gallery

