

PWS-100MG1

Media Gateway Workstation



Overview

Controls 4K and HD file transfers to and from the PWS-4500

The PWS-100MG1 is a 1U rack-mount server with pre-installed PWA-MGW1 Media Gateway Software. It allows you to archive recorded files from the PWS-4500 server to removable media such Professional HDD, Sony's Optical Disc Archive or to NAS external media. Additionally, you can retrieve files from removable media to the PWS-4500 server. Other available features include chase transfer, check-in to Non-Linear Editing (NLE) and material previews.

Features

Archive recorded files from the PWS-4500 servers to removable media

The PWS-100MG1 provides access to external media such as USB HDD, Sony SxS memory media, Sony Professional Disc (PD), Sony Optical Disc Archive (ODA) and NAS external media.

Integrate with Avid and other editing systems

The system allows users to retrieve files from the removable media to the PWS-4500 server. Users can also chase transfer and check-in to Avid ISIS/Interplay systems.

Audio file (WAV) imports

The system allows audio file (WAV) imports from other devices to

be uploaded to the PWS-4500. The WAV files are transcoded to MXF file during the import process.

Video transcoding when archiving and retrieving files

With the optional PWA-MGW1B | Video Transcode Software license key on the PWS-100MG1, users can also achieve video transcoding when archiving and retrieving files. The licence supports the following formats:

XAVC-I QFHD 480/QFHD 300/HD 100 MXF

XDCAM MPEG HD422 50 Mbps MXF

Avid DNxHD® 220x/145/45 422 MXF

XAVC-L QFHD 60/HD 25 MXF

XAVC S QFHD /HD MP4

H.264 (AVC/AAC) QFHD/HD MP4

Large cache storage capacity

The system has 5TB internal HDD capacity for cache storage.

Specifications

General

| | |
|-----------------------------|-------------------------------|
| Power requirement | 100V to 240V AC, 50/60 Hz |
| Power consumption - Max | 235W |
| Power consumption - Standby | 3W or lower |
| Operating temperature | 5°C to 35°C (41°F to 95°F) |
| Storage temperature | -20°C to 55°C (-4°F to 131°F) |

| | |
|-------------------------------------|---|
| Operating humidity | 20% to 90% (relative humidity) |
| Storage humidity | 75% or lower |
| Mass / weight | 14 kg (30 lb 14 oz) |
| Dimensions (width / height / depth) | 440 x 43.6 x 640 (17 3/8 x 1 3/4 x 25 1/4) |

Inputs/Outputs

| | |
|--------------|---|
| LAN | RJ-45 x 2port (1000BASE-T,100BASE-TX), SFP+ (x1) 10GBASE-SR/LR (Add-in Card)*1 *2 |
| USB | <ul style="list-style-type: none"> - Super Speed USB (USB 3.0) Type A - Total 6 ports (2 on front and 4 on rear) - Front: Power delivery support (900 mA/port) - Rear: Power delivery support on bottom right port (900 mA), not supported on other three ports |
| HDMI | Type A, HDMI Version 1.4a, 1920x1200 maximum resolution, 60 Hz |
| Display Port | Display Port Version 1.1a, 2560 x 1600 maximum resolution, 60 Hz |

PC Spec

| | |
|---------------|------------------------------|
| Processor | Intel Core i7-3770 (3.4 GHz) |
| Memory | 8 Giga Bytes |
| OS drive | m-SATA 60GB x 1 |
| Data drive | 1.2 TB PCIe SSD |
| Expansion bus | PCIe Gen2 8Lane (30 W) x 2 |

Note

| | |
|----|--|
| *1 | Network card connected to the unit (Intel Ethernet Converged Network Adapter X520-DA1) |
| *2 | Available only when an SFP+ module is installed. |

Related products



ODS-D77UA

ODS-D77UA has very high transfer speeds. Read is 1.1Gbps. Write-once is 440 Mbps and Rewritable is 160 Mbps (verification). Performance



ODS-D55U

Optical Disc Archive standalone drive unit with transfer speeds 330 Mbps (read) and 210 Mbps (write-once disc) or 130 Mbps (rewritable disc)



PWA-MGW1B

Video Transcode Software



PWS-4500

Next-generation 4K/HD live production server with IP technology

varies based on type
of cartridge.



PWS- 110PR1

Short-depth
Production Control
Workstation



PWSK- 4403

PWS-4403 Control
Panel



BPU-4800

4K / HD baseband
processor unit and
UHFR server for HDC-
4800 system camera

Gallery

