

## PDW-HD1550

XDCAM HD422 Professional Disc recorder/player recording XAVC Intra 422



### Overview

#### **Ideal bridge solution for SxS recordings and as straight recorder and playback feeder for editing and archive, supporting XAVC Intra 422 recordings**

The PDW-HD1550 XDCAM HD422 recorder provides advanced XAVC Intra 422 at 100 Mbps recording capabilities on all types of Professional Disc, including Quad Layer and Triple Layer disc. The recorder also provides a USB interface that supports an SxS and Professional Disc bridge solution. The compact yet powerful recorder can realise smooth jog/shuttle operation by creating proxy data, which feels to the user like tape-based operation. As well as XAVC, the recorder also records MPEG HD 422 at 50 Mbps and MPEG HD 420 at 35 Mbps and 25 Mbps, as well as MPEG IMX and DVCAM.

#### **Multi-format recording and playback, including XAVC Intra 422**

Records and playback of a variety of XAVC bitrates, including 59.94i, 50i, 29.97p, 23.98p and 25p. The recorder also records MPEG HD 422 at 50 Mbps, MPEG HD 420 at 35 Mbps and 25 Mbps, as well as MPEG IMX and DVCAM.

#### **Supports all Professional Disc media**

Including Quad Layer and Triple Layer discs.

#### **SxS memory card media support**

USB interface to record SxS memory on an external SBAC-US20 card reader.

### **Smooth jog/shuttle dial operation**

Creates proxy data, which feels to the user like tape-based operation.

## Features

### **High definition XAVC recordings**

The PDW-HD1550 provides high definition XAVC Intra 422 recordings at 1920 x 1080 at various bitrates, including 59.94i, 50i, 29.97p, 23.98p and 25p.

### **Multi-format recording and playback capabilities**

The PDW-HD1550 has a highly flexible multi-format recording and playback capability as standard. As well as XAVC, users can select recording and playback formats from HD (MPEG HD422 50 Mbps and MPEG HD420 35 Mbps and 25 Mbps) and SD (MPEG IMX50/30 and DVCAM) in a variety of frame frequencies.

### **SxS and Professional Disc bridge solution**

For SxS users, the PDW-HD1550 is equipped with a USB interface that supports an SxS and Professional Disc bridge solution. USB storage support is provided with external USB HDD and SxS memory card media support using an external SBAC-US20 card reader.

### **Support for Quad Layer and Triple Layer Professional Discs**

The recorder supports the latest Professional Disc media, including Quad Layer PFD-128QLW, Triple Layer PFD-100TLA, Dual Layer PFD-50DLA and Single Layer PFD-23A.

### **Smooth jog/shuttle dial operation**

The PDW-HD1550 is equipped with a jog/shuttle dial and RS-422 control, providing VTR-like operation (Jog: -1 to +1 times normal speed; Variable: -2 to +2 times normal speed\*; Shuttle: -20 to +20

times normal speed). Created proxy data can support smooth frame-by-frame transitions even in XAVC format, which is equivalent to HD422 quality and helps the user to not miss any frame when checking recorded clips.

\* -1 to +2 times normal speed in XAVC format.

## **8 channels of digital audio**

Uncompressed PCM recording of 24-bit 48 kHz audio enables 8-channel audio recording at high sound quality.

## **SD up-convert function**

This unit features a standard up-convert function, allowing SD signals to be input to the SD/HD-SDI INPUT connector and recorded as HD. The unit can also output HD signals while playing in SD material, allowing SD material to be utilised in an HD environment.

## **HD down-convert function**

The unit is provided with a down-convert function. HD playback signals can be down-converted to SD signals and then output as SD-SDI or composite signals. This allows you to use SD non-linear editors and monitors for editing and programme output.

## **1080/720 cross-conversion**

This unit supports cross-conversion output. It can output 720 while playing 1080, material and output 1080 while playing 720 material.

## **HD-SDI remote recording**

HD-SDI connections can be made to camcorders with remote HD-SDI support.

## **Recording of proxy AV data**

Proxy AV data is a low-resolution (1.5 Mbps video, 64 kbps per audio channel), MPEG-4 based version of a full resolution data stream. Whenever this unit records full resolution XAVC or MPEG

HD 422 data, it simultaneously generates and records low-resolution proxy AV data. Because of its small size, proxy AV data can be transferred quickly over computer networks, easily edited in the field with laptop computers, and readily used in a wide variety of applications, such as content management on small-scale servers.

### **Colour LCD display and tilt-up front panel**

The unit is equipped with a 16:9, 4.3-inch colour LCD which allows you to check the contents of the disc and use the menu system without connecting an external monitor. The compact recorder also features a tilt-up front panel.

### **Supports a variety of interfaces**

This unit supports HD-SDI video, 8-channel audio input and output, SD-SDI video, 8-channel audio input and output (the SD/HD-SDI input connector doubles as an SD-SDI input connector), SD composite output, AES/EBU digital audio 4-channel input and output, analogue audio 2-channel input and output, remote RS-422A (D-sub 9-pin x1) and video remote (D-sub 9-pin x1), plus HDMI output.

### **Equipped with network connector**

The unit features a Gigabit Ethernet connector as standard equipment. Via this connector, you can connect the unit to computers and networks to enable listing of the video, audio, and metadata files recorded on the Professional Disc, and rapid file transfers. Support for FTP commands makes it easy to carry out network file transfers from remote locations.

### **4.3-inch colour LCD screen**

An easy-to-view colour LCD screen provided on the camcorder side panel enables advanced operations such as Thumbnail Search and Scene Selection. Status indicators such as four-channel audio meters, and disc and battery remaining time can also be displayed. Camera set-up menus can also be displayed.

## Three types of power supply

The PDW-HD1550 provides AC, DC and battery power, allowing it to be used in a wide variety of applications, including in the studio and field.

### Related products



#### PDW-850

Three 2/3-inch Power HAD FX CCD sensors  
XDCAM HD422  
ultimate Professional Disc camcorder with best picture quality and easy-to-share and archive media



#### SBAC-US20

SxS PRO solid state memory USB 3.0 & 2.0 reader/writer



#### PDW-U2

XDCAM Professional Disc Drive Unit



#### PDW-700

Three 2/3-inch Power HAD FX CCD sensors  
XDCAM HD422  
camcorder recording full HD (plus SD option)



#### PDW-F800

Three 2/3-inch Power HAD FX CCD sensors  
top-of-the-range XDCAM HD422  
camcorder recording full HD / SD



#### PVM-A250 v2.0

25-inch TRIMASTER EL™ OLED high grade picture monitor



#### LMD-A240

24-inch lightweight Full HD high grade LCD monitor for studio and field use

## Gallery

