

HKDW-105

HDV 1080i stream recording
option board for HDCAM
recorders



Overview

An option to boost the capability of HDW-D1800/1800 HDCAM studio recorders

With the addition of the HKDW-105 board, the HDW-D1800 and HDW-1800 recorders can accept an HDV 1080i compatible stream via a single i.LINK cable connection, without any conversion. This is an extremely powerful feature for users who want to shoot in HDV format and post in HDCAM format, or who want to use both HDCAM and HDV material at the same time.

Shoot in HDV format and post in HDCAM

The HDV format allows you to shoot approximate 63minutes of HD video on a miniDV cassette tape.

Features

HDV recording format

The HDV format allows you to shoot approximate 63minutes of HD video on a miniDV cassette tape. There are two standards of HDV format. One is HDV720p and the other is HDV1080i, which has 1,080 scanning lines and is used by most broadcasters already using HD. Sony has adopted the HDV1080i standard for all its HDV products.

Compatibility with current DV systems

Offers benefits for SD productions, as well as HD. It is easy to use HDV recordings for your current DV editing work. The down-

conversion feature that outputs converted DV signals through the i.LINK connector to your current DV non-linear editing system, while retaining a HD master on the tape for future use. Furthermore, the camera offers a DV recording mode (4:3 or 16:9), which can provide a recording time of approximately 120 minutes in LP mode.

High-quality Imaging System

The ClearVid CMOS Sensor used in the camcorder, is quite unique and different from current CMOS technology. The ClearVid CMOS Sensor uses a unique pixel layout rotated 45 degrees to provide high resolution and high sensitivity. This pixel layout technology is also used in higher end professional camcorders. The ClearVid CMOS Sensor, coupled with an Enhanced Imaging Processor (EIP), generates stunning images. Moreover, thanks to the CMOS technology, bright objects do not cause vertical smear.

Optical 10x zoom by Carl Zeiss Vario-Sonner T lens.

Super SteadyShot (optical) image stabiliser

An image stabiliser using an active optical lens method that functions without any deterioration in image quality. The lens itself shifts vertically and horizontally to compensate for the polarised light axis in real time.

Shoulder-mount design

Lightweight and easy to use even for beginners, the model provides a professional camcorder shoulder-mount design allows for easy balance and stable operation.

Wide clear photo LCD plus monitor

A large, freely rotating 2.7-inch type LCD screen is located on the top of the viewfinder unit to provide easy viewing when the camcorder is in a low-level position or on a tripod. This also makes it easy for a director or client to see what the camera

operator is shooting. The LCD uses 211,200 dots widescreen Clear Photo LCD plus device that provides proper brightness and a high level of colour reproduction.

Long operating time

The camcorder uses standard infoLITHIUM L series batteries, like the DSR-PD170, HVR-Z1U, and HVR-V1U. With the NP-F970, a maximum operating time of approximate 10 hours can be achieved thanks to the power management system and low power consumption of the ClearVid CMOS Sensor.

Super NightShot

The camcorder uses a built-in OFF ON infrared light emitter that allows you to record an object in zero lux light levels. It also enables night-time monitoring and surveillance.

Smooth Slow Rec

Enables slow-motion playback by capturing images at four times faster than the normal field rate (240 fields/s). In this mode, quad-speed images are captured for three seconds, stored in the built-in buffer memory, and then recorded to tape (in either HDV or DV format) as slow-motion pictures lasting 12 seconds.

Gallery

