

SONY



HVR-MRC1K

Compact Flash Memory Recording Unit

Streamlining Your Workflow with unique Hybrid Recording Solutions from Sony

Speed, reliability, operability, and versatility are key concerns in any video production.

The HVR-MRC1K Memory Recording Unit from Sony offers stunning innovations for all aspects of the production process - from acquisition to editing, and on to material archiving.

The HVR-MRC1K consists of the HVR-MRC1 main unit, HVRA-CR1 cradle, cold-shoe adaptor and an i.LINK cable. Extremely compact and lightweight, the HVR-MRC1K can be mounted on a HDV™/DVCAM™ camcorder, thereby converting it to a 'hybrid' recording system with CompactFlash® solid-state memory and tape. It allows the user to record video on a tape and CompactFlash (CF) card simultaneously.

The widely available CF card can be used to offer secure recording, removable media convenience, high durability against external vibration, and high-speed file transfer to a computer. It is possible to record for about 72 minutes on a 16-GB CF card

Features

HDV in IT Workflow by CompactFlash Memory Recording Unit

The HVR-MRC1K Memory Recording captures the HDV1080i, DVCAM or DV stream output from the camcorder and records it as a movie file while you are simultaneously recording to tape.

You can use a CompactFlash (CF) card*, which offers secure recording, high-speed access, large data capacity, removable media convenience and high durability against external vibration.

*Not supplied

HDV/DVCAM/DV File Recording on CompactFlash Card

The recording time on a 16GB CF card* in HDV, DVCAM and DV format is approximately 72 minutes.

*At least 133x speed and 2GB capacity is required. The NCFD8GP and NCFD16GP CF cards from Sony are recommended. The recording time may change according to the CF card type and recording format.

Hybrid Operation Realises Archiving, IT Workflow and HD/SD Parallel Recording

The Memory Recording Unit provides a hybrid operation, where images are recorded to tape and a CF card simultaneously, in a similar fashion to the HVR-DR60 Hard Disk Recording Unit*.

This means you can immediately access a movie file for streamlined NLE work, while keeping the master source tape in a safe place.

The file format is M2T for HDV mode and AVI or RawDV for DVCAM/DV modes. In the same fashion as HVR-DR60 operation, these files can be edited using popular NLE software.

In addition, when the built-in down-converter of the connected HDV camcorder is active, SD images can be recorded on a CF card while HD images are recorded to tape.

HD master tape is recorded and SD movie files are created at the same time. HDV or DVCAM tape-based users can gradually move to IT workflow with this hybrid-operation. Tapeless recording is also available if desired.

*HVR-DR60 does not accept a native progressive HDV stream.

**The Memory Recording Unit adopts the FAT32 file system. Continuous recording is divided into 4 GB files (approximately 20 minutes of recording time). A utility

software, available from www.sonybiz.net/hdv, can merge these divided files for seamless editing on NLEs. Some NLEs include this function. For details of NLE operation, please consult your nearest NLE software dealer.

Independent use with the supplied cradle

The Memory Recording Unit can be used as an external recording unit, just like the HVR-DR60, by attaching the supplied cradle that has an i.LINK connector, battery attachment and DC power input. When the Memory Recording Unit is connected to a PC via i.LINK, it is recognised as an external drive and can be used to access files.

When connected to a video device (such as a VTR or NLE system) via i.LINK, it can be used to input/output a HDV/DVCAM/DV stream.

Integration without Cabling

The Memory Recording Unit can be integrated to the HVR-Z5E, HVR-Z7E or HVR-S270E without the need for cabling, simply by attaching it onto the special shoe connector*. This smart combination never interferes with shooting operations. The Memory Recording Unit automatically synchronises with the recording action of the camcorder - i.e., when the camcorder starts or stops recording, so does the unit.

*The intelligent shoe connector inputs and outputs an

HDV/DV stream and supplies power to the Memory Recording Unit. The i.LINK connector is not available when the unit is attached on the camcorder.

Benefits

Hybrid Format

Simultaneous HD and SD recording allows the recording of HD material to tape and SD to CompactFlash media. Giving the flexibility to shoot for today's SD production and HD value in the future

Hybrid Media

The HVR-MRC1K allows the use of tape and/or non-linear recording media, giving you the ability to produce a reliable backup recording. HDV or DVCAM tape-based users can therefore move gradually to IT workflow with this hybrid-operation.

Hybrid Workflow

Files for quick editing and tape for archiving - this means you can immediately access a movie file for streamlined NLE work, while keeping the master source tape in a safe place.

Technical Specifications

Recording media	Compact Flash: At least 133x speed and 2-GB capacity is required. The SONY CF card is recommended.
Interface	i.LINK with HVRA-CR1: IEEE 1394, 6-pin connector
File format	HDV: MPEG-2-TS (.m2t) DVCAM/DV SP: AVI-Type1 (.AVI), RAW-DV (.DV)
Built-in output device	LCD monitor: 23.02 x 11.5 mm (picture size), 128 x 64 dots
OS compatibility	Windows® 2000 Professional (Service Pack 4) Windows XP Home Edition (Service Pack 2) Windows XP Professional (Service Pack 2) Windows Vista, Mac® OS X (v10.3)

General

Mass	HVR-MRC1: 130g(4 oz) HVR-MRC1 with HVRA-CR1: 210g(7 oz)
Power requirements	DC 7.2 V (battery pack), DC 8.4 V (AC adaptor)
Power consumption	2.2 W (in recording mode with LCD monitor on)
Operating temperature	0 to 40 °C (32 to 104 °F)
Storage temperature	-20 to +60 °C (-4 to 140 °F)

Accessories**Batteries and Power Supplies****2NP-F970/B**

Rechargeable Battery Pack (2 Batteries)

Tripods**VCT-1BP**

Bracket For Camera Rear Mount