

The Datavideo HDR-40/50 are hard drive based video recorders, with removable hard drive enclosure, designed for studio desktop applications. The HDR-40/50 records from both Standard and High Definition video equipment via SDI, with HDMI output, and convenient SDI loop through.

The recorders provide a choice of 1080i, 720p, 576i and 480i recording formats. In HD with a choice of IBP or Intra-frame (i frame), and in SD IBP.

The recorded .M2T files are compatible with a wide range of NLE and play out solutions on the market, and once the recording have completed, the hard drive carrier simply ejects and via USB-2 connects to a PC or MAC based NLE system, (USB 2.0 power provided).

Work directly from the removable drive, or copy video files across to the NLE's video drives. The remote control interface includes RS-422, RS-232 and GPI for easy integration with other equipment.

Connections

Video

- Input: HD-SDI and SD-SDI
- Output: HD-SDI, SD-SDI, and HDMI

Audio

- Input: Balanced stereo XLR

Video Recording Format

- SD: 5Mbps to 15Mbps
- HD: 20Mbps to 60Mbps
- 4:2:0 color sampling
- M2T recording format (compatible with most NLE systems)

Audio Recording Format

- MPEG-1 Layer 2
- Sampling rate: 48kHz
- Bitrate: 384Kbps

Control

- GPI, RS-232, and RS-422 control interface (Sony control protocol compatible)

Power

- 12V 4.2A DC operation 110/220 power supply and cord included

Features

- Embedded audio via SDI
- Variable recording bitrates – records SD at 25Mbps and HD at 20-60Mbps
- 4:2:0 color sampling
- Audio monitor function
- 2U height fits in 19" standard rack mounts
- Records audio as MPEG-1 Layer 2 format at 48KHZ, 384Kbps bitrate
- Hard drive enclosure includes convenient USB 2.0 and eSATA connectors

Native HDV (.m2t)



Removable hard drive

USB & E-SATA interfaces HDD25

Dimensions

Width: 8.3 inches (210mm)

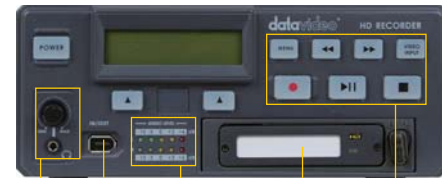
Depth: 11.3 inches (286mm)

Height: 3.9 inches (99mm)

Weight: 6lb (2.8kg)

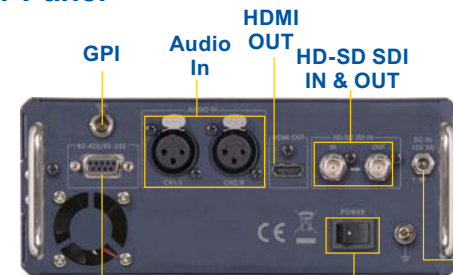
Power: 12V 4.2A DC operation 110/220 power supply and cord included.

Front Panel



Volume IEE 1394 Input File Transfer Audio Level Removable HDD VTR Controls

Rear Panel



RS-422/RS-232 Power DC In 12V 4.2A

HDR-50 (Rack Mounted)

Front Panel



Rear Panel



HDR-50 has the same specifications as the HDR-40.

Dimensions

Width: 18.8 inches (478mm)

Depth: 9.4 inches (239mm)

Height: 1.6 inches (41mm)

Weight: 7lb (3.5kg)

Power: 12V 4.2A DC operation 110/220 power supply and cord included