

BR-HD50

ProHD Recorder/Player

HDV™

HDV 720p

DV



Advanced HD performance in a compact, uncomplicated

The companion model to the GY-HD110, this HDV and DV recorder / player is designed to transfer video and audio data to an NLE editing system. Optimised for use with a wide variety of existing systems and formats, this unit features switchable HDV and DV modes and analogue outputs. It can connect also to a plasma or an LCD panel equipped with an HDMI connector and be used as a low-cost viewer. With its low cost and high flexibility, the BR-HD50 is ideal for any facility looking for a smooth upgrade path from standard definition to high definition production.

Professional design

HDV recording

As the HDV format uses the same recording track pitch as Professional DV, the BR-HD50 can record signals in either standard or high definition depending on the user's needs.

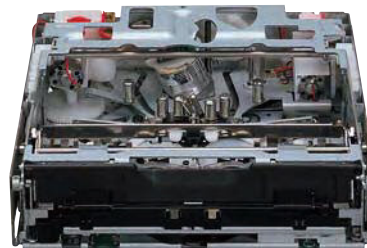
Multi-format output and Cross-converter function

A sophisticated cross-converter function enables output of not only 720p signals, but also 1080i, 576p and 576i signals. So, thanks to switchable HDV and DV recording modes, plus DVCAM playback, this recorder / player is a real asset for any existing editing system.

HDV 60Hz and 50Hz compatibility

Switch between HDV 60 Hz or 50 Hz as required. This makes it easy to work with internationally sourced material and transfer it to a non-linear system for editing. You can also record to Standard DV or Mini DV tape in either HDV 60 Hz or 50 Hz.

*Cannot be used as an HDV 60 Hz - 50 Hz converter. The BR-HD50 can record and play back signals in both HDV 60 Hz and 50 Hz formats.



Recording system

The BR-HD50 can record signals in 720p/24, 25 & 30, 480p/60 & 576p/50 and in 576i/50 & 576p/25.

Standard DV & Mini DV compatible mechanism

Proven on JVC's Professional DV recorders, this mechanism not only provides high stability, but also accommodates both Standard DV and Mini DV cassettes without the need for a cassette adapter.

DVCAM playback capability

DVCAM recordings can be played back directly on the BR-HD50 in SD mode. This means that DVCAM recordings can easily be used as source material for editing.

Stable high picture quality

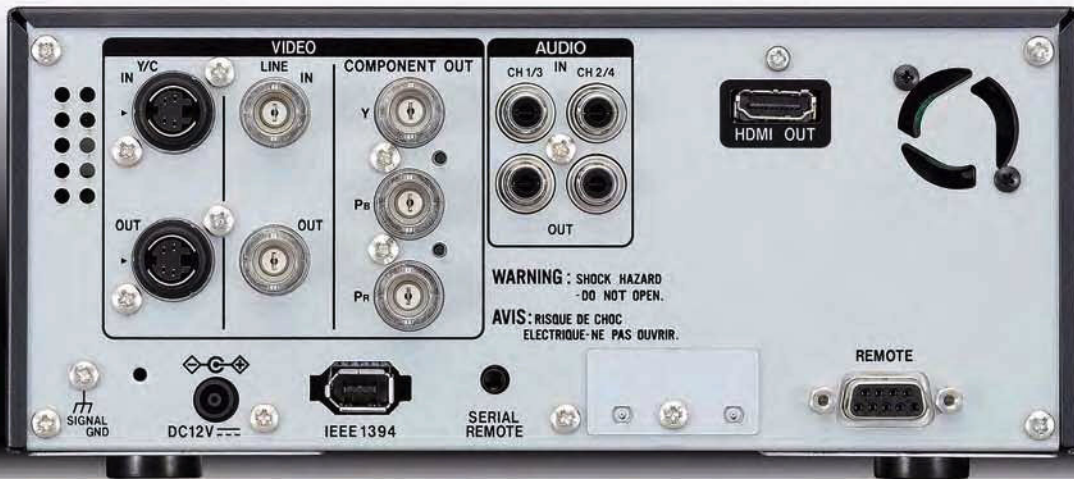
Auto error correction system

JVC has developed an auto error correction system that operates on a frame-by-frame basis to ensure accurate error compensation during playback. After optimally calibrating the playback RF waveform with a pre-filter circuit, the VCO (voltage control oscillator) voltage is



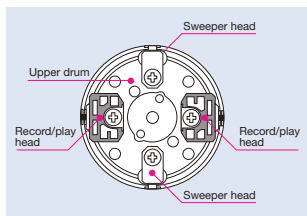
(Before correction)
With block noise

(After correction)
Without block noise



recorder/player with multi-format video output

changed so that the data reading of the clock phase is shifted to the position where the error rate is lowest. The result is accurate, consistent suppression of block noise and reliable, professional standard performance at all times.



Sweeper heads

During recording and playback, to reduce the block noise which is caused by dust adhering to the heads, JVC's HDV & DV camcorders and recorders incorporate an advanced drum assembly with specially designed "sweeper" heads. These dummy heads sweep off any magnetic material dropped by the tape or any dust that may have entered from outside the unit.

Various interfaces

HDMI OUT

The BR-HD50 is equipped with an all-in-one HDMI output for direct digital connection to the latest high-definition projector and LCD displays.

RS-422A interface

For compatibility with the widest range of editing systems, the BR-HD50 is equipped with an industry-standard RS-422A interface, allowing easy integration with high-grade NLE systems.

IEEE 1394 interface

For lossless dubbing and recording of both HD and SD programmes, compressed HD (MPEG-2) or SD (DV) digital signals can be input or output to or from external devices such as a non-linear editing system. A front panel switch allows easy switching between SD and HD.

Versatile analogue connections

In addition to IEEE 1394 input & output, the BR-HD50 is equipped with

BNC connectors for analogue component output in HD and SD and also for composite input & output. Y/C input & output connectors are 4-pin mini DIN.

User-friendly design

Large full counter

A big 8-digit LED display on the front panel displays time code, user bits and VTR status.

Audio indicator

This indicator lights up whenever audio signals are input. Also, it provides a convenient way to check for the presence of audio signals during tape playback.

High-speed time code search & blank search

The built-in time code generator provides preset, rec run and regen time codes. The DV 20x search function (100x max. in the FF or REW mode) and the HD 8.5x forward search function (6.5x in reverse), provides super-fast access to any desired point on the tape.

Continuous recording

When a camcorder is connected to the BR-HD50 via the IEEE 1394 connector, the BR-HD50 will start recording 5 minutes before the tape in the camcorder ends. This enables continuous shooting for extended periods with no breaks in the recording.

On-screen menu

Systematic, easy-to-understand menu screens simplify set-up and operational procedures. Menu setting is performed via the buttons on the front panel.

Other features

- Lock audio (16-bit, 48 kHz only)
- Time code reader / generator
- Headphone connector
- Contact closure recording
- Repeat playback
- Wired remote control