PRELIMINARY

JVC
PROFESSIONAL

BR-DV600E

Professional DV Recorder/Player

PROFESSIONAL DV

New Product News

Versatile interface capability makes the BR-DV600E a perfect fit for any existing professional analogue/digital video system.

The compact, lightweight BR-DV600E DV recorder/player is not only flexible enough to connect into virtually any editing system — linear or non-linear — but it's also got the performance specifications needed to produce high-quality, professional results.

Designed to interface with all the most commonly used professional editing systems, the BR-DV600E's IEEE 1394 connectivity enables lossless digital transfers to and from many non-linear editing systems, making it an excellent choice as an NLE spooler. This versatile unit is also currently the only DV machine to feature both analogue component inputs/outputs and an RS-422 interface. Additional systems flexibility is assured by Y/C component connectors, JVC 12-pin control connectors, and an optionally available RS-232C interface, allowing the BR-DV600E to be used with just about any existing linear editing system — whether it's digital, S-VHS, Hi-8 or Beta SP.

The perfect match for this high-performance recorder/player is our new GY-DV500E DV camcorder. Shoot high-quality digital footage in the field with the GY-DV500E, then load the MiniDV cassette into the BR-DV600E and transfer the video data to the editing system of your choice. With its ability to convert analogue signals to digital and vice-versa, the BR-DV600E can be integrated with any existing system, as well as allowing for easy upgrading in the future.

From corporate and educational productions to cable and TV broadcasting, multimedia and more, the high-quality digital performance, systems flexibility, and wide range of advanced professional features make the BR-DV600E the right choice for anyone shooting or editing in DV.

FEATURES

DV recording on a MiniDV tape

Because it uses the MiniDV format, the BR-DV600E offers all the convenience and affordability of a consumer system, while providing the same high-quality 4:2:0, 8-bit, 25 Mbps component digital processing as other DV-based systems to give superior recording performance. Up to 80 minutes* of DV component digital images can be recorded on a single MiniDV tape, assuring the high-quality, non-degradable images needed for top results in post-production. In addition, MiniDV tapes are readily available and inexpensive, so you can stock up with replacement tapes wherever you are and whenever you need them.

* With an MDV-80 tape

High-quality PCM digital audio

To complement its superior DV pictures, the BR-DV600E offers outstanding digital PCM sound. You can choose two 16-bit 48-kHz channels or four 12-bit, 32-kHz channels with a dynamic range of more than 85 dB.

Variety of video inputs/outputs

The BR-DV600E is equipped with an IEEE 1394 (DV) input/output. This allows lossless digital video and audio transfers to or from any DV equipped device such as a non-linear editing system or DV recorder. In addition, composite/YC/component inputs/outputs are provided for various video sources.

System flexibility with various interfaces

To enable more versatile system configuration, the BR-DV600E comes with an industry-standard RS-422 interface. As a feeder in an editing system, the BR-DV600E can supply a DV source for editing with various formats. It also comes with a JVC bus interface which is compatible with JVC's popular S-VHS edit-desk system. An RS-232C interface is optionally available. The BR-DV600E can be controlled from a personal computer via either the DV or RS-232C interface.

Super Scene Finder

The BR-DV600E features JVC's exclusive new Super Scene Finder. By letting you log scenes, and mark the ones you want to use, this dramatically speeds up the transfer process and saves disk space in a non-linear editing system. Logged data recorded on a tape with the GY-DV500E can be spooled onto a non-linear editing system by playing it back on the BR-DV600E. Since scene data is written directly onto the MiniDV cassette, expensive cassettes with memory chips are not required. Up to 134 scenes can be marked per cassette.

Compact and lightweight design

With a width of only 215 mm (8-1/2"), two BR-DV600Es can be placed side by side in an EIA standard rack. The BR-DV600E weighs only 4 kg (8.8 lbs.).

AC/DC driving

In addition to the AC inlet, a DC 12 V connector is provided, allowing the BR-DV600E to run in locations where an AC power supply is not available.

Other features

- Time code reader/generator
- External sync input connectors
- External timer recording/playback

Rear panel

SPECIFICATIONS

General

Power requirements: AC 220 — 240 V, 50/60 Hz, DC 12 V (11 V to 17 V)
Power consumption: Approx. 27 W
Dimensions: 212 (W) x 88 (H) x 324.5 (D) mm
Weight: Approx. 4 kg
Temperature
  Operating: 5°C to 40°C
  Storage: -20°C to 60°C
Humidity
  Operating: 30% to 80% RH
  Storage: 85% RH or less

Format: DV format
Signal format: PAL
Usable tape: MiniDV tape
Tape width: 6.35 mm
Tape speed: 18.8 mm/s. (SP mode)
Record/play time: 80 minutes (with an MDV-80 tape)
FF/rewind time: Within 120 s. (with an MDV-60 tape)

[Video]

Video signal recording format: 8-bit, 13.5 MHz, 4:2:0 component recording
Sampling frequency: Y: 13.5 MHz, R-Y/B-Y: 6.75 MHz
Video inputs
  Analogue composite: 1.0 Vp-p, 75 ohms
  Analogue Y/C: Y: 1.0 Vp-p, 75 ohms
  C: 0.3 Vp-p, 75 ohms
  Analogue component: Y: 1.0 Vp-p, 75 ohms
  R-Y/B-Y: 0.7 Vp-p, 75 ohms
External sync input: 0.3 Vp-p, 75 ohms
Video output
  Analogue composite: 1.0 Vp-p, 75 ohms
  Analogue Y/C: Y: 1.0 Vp-p, 75 ohms
  C: 0.3 Vp-p, 75 ohms
  Analogue component: Y: 1.0 Vp-p, 75 ohms
  R-Y/B-Y: 0.7 Vp-p, 75 ohms

[Audio]

Audio signal recording format: 16-bit, 48 kHz for two channels or 12-bit, 32 kHz PCM for four channels
Frequency response: 20 Hz to 20 kHz, +1.0/-5 dB (16 bits)
Dynamic range: 85 dB or more (PCM audio)
Audio input
  Line: -6 dBs, high impedance, unbalanced
  Mic: -67 dBs, 600 ohms, unbalanced
Audio output
  Line: -6 dBs, low impedance, unbalanced
  Monitor: -6 dBs, low impedance, unbalanced
  Headphone: - infinity to -17 dBs, 8 ohms

[Time code]

Output: 0 ± 3 dBs, low impedance, balanced

[Connectors]

IEEE 1394 interface: 4-pin
RS-422 interface: D-sub 9-pin
JVC bus connector: DIN 12-pin

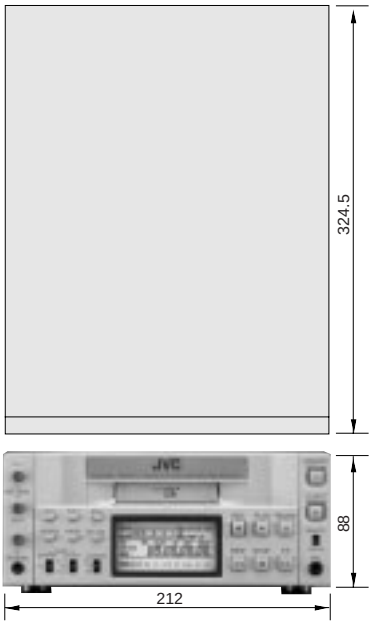
Accessories

Instruction manual x 1
AC cable x 1

Options

RM-G30U remote control unit
SA-K46U RS-232C interface board

Dimensions (unit: mm)



Design and specifications subject to change without notice.

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