

JVC[®]
PROFESSIONAL

PRELIMINARY

BR-DV600U

Professional DV Recorder/Player

PROFESSIONAL **DV**

New Product News



Versatile interface capability makes the BR-DV600U a perfect fit for any existing professional analog/digital video system.

This compact, lightweight BR-DV600U DV recorder/player is not only flexible enough to connect into virtually any editing system — linear or non-linear — it's got the performance specs you need to produce high-quality, professional results.

Designed to interface with all the most commonly used professional editing systems, the BR-DV600U'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 the only DV machine to feature both 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 you to use the BR-DV600U with just about any existing linear editing system — whether it's digital, S-VHS, Hi-8 or Beta SP.

To make the most of this high-performance recorder/player, you'll want to team it up with our new GY-DV500U DV camcorder. Shoot high-quality digital footage in the field with the GY-DV500U, then load the MiniDV cassette into the BR-DV600U and transfer the video data to the editing system of your choice. With its ability to convert analog signals to digital, the BR-DV600U 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-DV600U right choice for anyone shooting or editing in DV.

FEATURES

DV recording on a MiniDV tape

Because it uses the MiniDV format, the BR-DV600U can offer you all the convenience and affordability of a consumer system, while providing the same high-quality 4:1:1, 8-bit, 25 Mbps component digital processing as other DV-based systems to give you the superior recording performance you need for professional applications. Up to 60 minutes* of DV component digital images can be recorded on a single MiniDV tape, assuring you the high-quality, non-degradable images you need for top results in post-production. Plus, MiniDV tapes are readily available and inexpensive, so you can get replacement tapes whenever you need them, wherever you are.

* With an MDV-60 tape

High-quality PCM digital audio

To complement its superior DV pictures, the BR-DV600U 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-DV600U 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-DV600U comes with an industry-standard RS-422 interface. As a feeder in an editing system, this BR-DV600U can supply a DV source for editing with various formats. It also comes with a JVC bus interface compatible with JVC's popular S-VHS edit-desk system. An RS-232C interface is optionally available. You can control the BR-DV600U from a personal computer via either the DV or RS-232C interface.

Super scene finder

The BR-DV600U 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. Log data recorded on a tape with the GY-DV500U can be spooled onto a non-linear editing system. 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-DV600Us can be placed side by side in an EIA standard rack. The BR-DV600U weighs only 4 kg (8.8 lbs.).

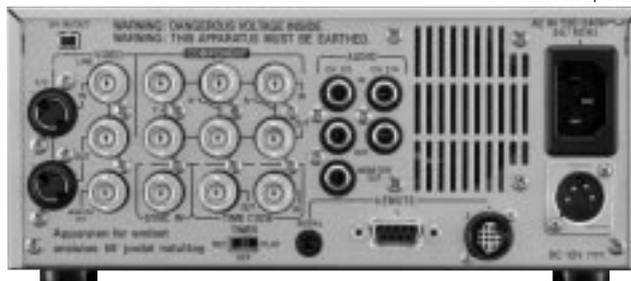
AC/DC driving

In addition to the AC inlet, a DC 12 V connector is provided, allowing the BR-DV600U to run in locations where an AC power supply is not available.

Other features

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

Rear panel



SPECIFICATIONS

General

Power requirements: AC 120 V, 50/60 Hz, DC 12 V (11 V to 17 V)
 Power consumption: Approx. 35 W
 Dimensions: 215 (W) x 88 (H) x 324.5 (D) mm (8-1/2" x 3-1/2" x 12-13/16")
 Weight: Approx. 4 kg (8.8 lbs.)
 Temperature
 Operating: 5°C to 40°C (41°F to 104°F)
 Storage: -20°C to 60°C (-4°F to 140°F)
 Humidity
 Operating: 30% to 80% RH
 Storage: 85% RH or less

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

[Video]

Video signal recording format: 8-bit, 13.5 MHz, 4:1:1 component recording
 Sampling frequency: Y: 13.5 MHz, R-Y/B-Y: 3.375 MHz
 Video inputs
 Analog composite: 1.0 Vp-p, 75 ohms
 Analog Y/C: Y: 1.0 Vp-p, 75 ohms
 C: 0.286 Vp-p, 75 ohms
 Analog component: Y: 1.0 Vp-p, 75 ohms
 R-Y/B-Y: 0.7 Vp-p, 75 ohms
 External sync input: 0.286 Vp-p, 75 ohms

Video output

Analog composite: 1.0 Vp-p, 75 ohms
 Analog Y/C: Y: 1.0 Vp-p, 75 ohms
 C: 0.286 Vp-p, 75 ohms
 Analog 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 dB, high impedance, unbalanced
 Mic: -50 dB, high impedance, unbalanced
 Audio output
 Line: -6 dB, low impedance, unbalanced
 Monitor: -6 dB, 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

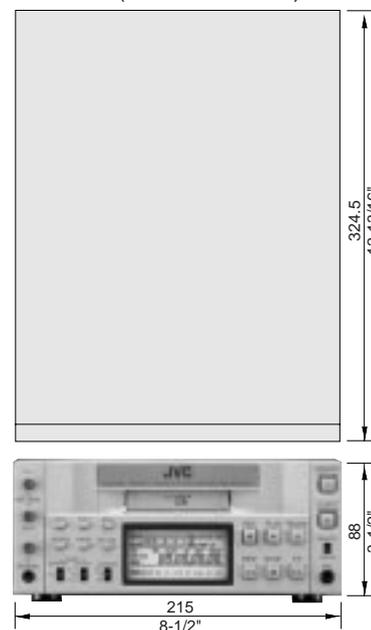
Accessories

Instruction manual x 1
 AC cable x 1

Options

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

Dimensions (unit: mm/inches)



Design and specifications subject to change without notice.

JVC®

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