

JVC®

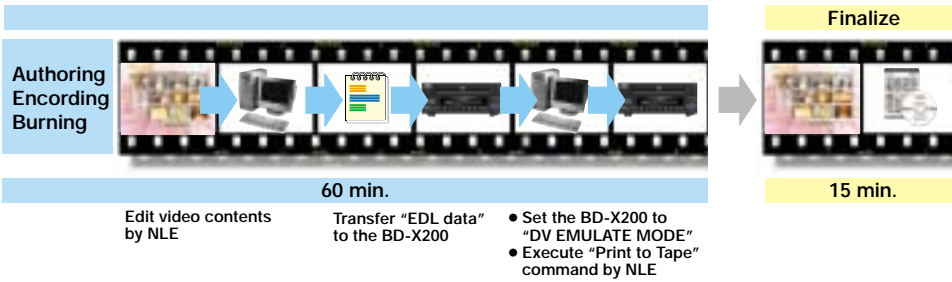
The Perfect Experience / —

PROFESSIONAL DVD RECORDER

BD-X200

- Creation of DVDs in real time
- All-in-one solution with no PC required
- Easy one-time creation of customised menu, featuring user name & logo, etc.
- Simple creation of DVD chapters
- Compatible with NLE systems
- Professional compression engine provides top class audio and video
- Comprehensive range of digital and analog I/Os





Simple workflow with BD-X200

"Complete DVD Authoring" in just 3 simple steps.

- Preparation
Create menu templates on your PC with "Easy Menu" software.
Transfer "template file" to BD-X200.
- Actual workflow
 1. Edit video contents with NLE.
 2. Transfer "EDL data" to BD-X200.
 3. Set the BD-X200 to "DV EMULATE MODE".
Execute "Print to Tape" command with NLE.

Professional specifications

Authoring

Customizable main menu screen with flexible design and layout



To create a unique look and feel for your material, you can freely customise the template-based main menu.



Menus with thumbnails

Easy creation of two-layer menus (one layer for the title and another for chapters)

with thumbnails is possible. For customized DVD production, up to 99 titles are possible with up to 99 chapters per title.

Simple and automatic authoring with template and auto chapter maker

Authoring has always been a time-consuming task. Now, it's simple and automatic with our easy-to-use templates and chapter maker.

Editing

DV emulation function of direct control NLE system through IEEE 1394 (DV) interface

You can download data from an NLE system to this recorder via IEEE 1394 interface. As the



BD-X200 is detected as a DV deck by the NLE system, it can be controlled with the DV emulation function.

Multi-tape editing

Editing interruptions or pauses to switch tapes are not a problem. You can easily collect recordings from multiple tapes on a single DVD even when editing is interrupted or the tape is paused or changed.

RS-422A interface to control a slave VCR

You can create or edit a DVD copy using an analog VCR. The VCR can be controlled remotely and images can be captured from the VCR.

Convenient audio functions

You can switch or adjust the audio input level as required. Audio monitoring is possible via headphones.

Burning

Real-time direct DVD recording without rendering

DVD can be directly recorded for fast, high-quality DVD disc creation. For example, authoring, editing and burning of a 60-minute program can be done in only 60 minutes and

finishing takes just another 15 minutes. That means you can have a finished commercial-quality product in just 75 minutes. Other DVD creation systems can take up to 3 hours per disc, so you'll enjoy significant time savings.

DVD Duplication

The BD-X200 can be used as a master and connected to a slave via a network connection for dubbing.

Playback

Create DVDs with repeat playback capability

With the BD-X200, you can create DVDs with built-in repeat playback capability. This kind of DVD is especially useful as a point-of-sales tool.

Notes:

- DVD-R is compatible with the video mode of DVD-R Standard 2.0 or higher and DVD-RW is compatible with the video mode recording of DVD-RW Ver. 1.1 or higher (recording is not possible in the DVD-RW VR mode).
- DVD-R/DVD-RW discs finalized on this unit can be played back on most DVD-R/DVD-RW-compatible DVD players. However, some DVD-R/DVD-RW-compatible DVD players may not play DVD-R/DVD-RW discs recorded on this unit.
- The screen is a sample screen produced by a prototype unit.
- Dolby and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.
- The BD-X200 does not support the playback of commercial DVD-video discs.

Easy Menu for original template design



Versatile template design software makes it easy to import background pictures and lay out thumbnails in a Windows environment. Original templates can be transferred to the BD-X200 via network connection.

- Easy wizard-based operation
- Simple 5-step menu screen creation: Button order setting, background setting, thumbnail setting, button setting, highlight color setting
- Freestyle layout also possible

"Easy Menu" system requirements
(Recommended hardware)
CPU: Pentium III, 1 GHz
RAM: 128 MB
OS: Microsoft Windows XP (Home Edition or Professional)
Others: Microsoft Internet Explorer 5.01 or higher should be installed.
Microsoft .NET Framework Runtime library is required.

"Easy Menu" can be downloaded from the URL shown below.
<http://www.jvc-victor.co.jp/english/pro/prodv/index.html/>

Encoding bit rate

Audio Encoding format	Encoding bit rate							
	9Mbps	8Mbps	7Mbps	6Mbps	5Mbps	4Mbps	3Mbps	2Mbps
Dolby AC3/MPEG-1 Layer-3 (PAL only)	62 min.	69 min.	78 min.	89 min.	105 min.	126 min.	158 min.	212 min.
LPCM	—	—	67 min.	75 min.	86 min.	100 min.	—	—

Recording time varies depending on the video encoding rate and audio encoding system. In addition, recording time decreases in proportion to the number of titles.

System with linear editing system controlled via RS-422 Interface



System with non-linear editing system with DV emulation function



Specifications

■ GENERAL

Power supply	DC 19 V (using the dedicated AC adapter)
Power consumption	31 W
Weight	11.1 lbs. (5 kg)
Dimensions (WHD)	8-3/8 x 3-1/2 x 13-7/8 inches (212 x 88 x 352 mm)
Allowable operating temperature	41°F to 95°F (5°C to 35°C)
Allowable operation humidity	20%RH to 80%RH
Allowable storage temperature	-4°F to 140°F (-20°C to 60°C)
Allowable storage humidity	5%RH to 80%RH

■ FORMAT

Recording format	DVD-Video Format ver. 1.1
Disc format	ISO 9660 and UDF compatible
Usable media	DVD-R for general ver. 2.0 (compatible with 12 cm: 4.7 GB) DVD-RW 4.7 GB ver. 1.1 (video mode only)
Recording signals	Conforming to DVD-Video format
Recording time	Approx. 1 hour (@9 Mbps) to approx. 3.5 hours (@2 Mbps)
Encoding rate	2 Mbps to 9 Mbps (4 Mbps to 7.8 Mbps with audio LPCM)
Chapter insertion	Manual, fixed time (in step of one minute), time code (EDL data loading possible)
Number of chapters	99 chapters/1 title, total 99 titles (max.)
Menu layer	Title: 1 layer, chapter: 1 layer (automatic page addition), total: 2 layers

■ VIDEO SIGNALS

Line input (BNC)	1.0 V (p-p), 75 ohms, unbalanced
Y/C input (4-pin)	Y: 1.0 V (p-p), 75 ohms, unbalanced C: 0.286 V (p-p), 75 ohms, unbalanced (NTSC) 0.3 V (p-p), 75 ohms, unbalanced (PAL)
Line output (BNC)	1.0 v (p-p), 75 ohms, unbalanced
Encoding system	ISO/IEC 13818-2 (MPEG-2 video)
Quantization	8-bit
Sampling frequency	13.5 MHz

■ AUDIO SIGNALS

Line input (RCA)	-8 dBs, 10 kohms or higher, unbalanced +4 dBs, high-impedance, unbalanced
Line output (RCA)	-8 dBs, 1 kohm or higher, unbalanced
Reference level	-20 dBFS
Dynamic range	85 dB
Recording system	LPCM/Dolby AC3, MPEG-1 Layer II (PAL only)
Quantization	16-bit
Sampling frequency	48 kHz
Number of channels	2-CH

■ INTERFACE

Remote function	DV (4-pin): IEEE 1394 (MASTER/SLAVE) D-sub 9-pin (conforming to RS-422A) for VTR control master* (* Editing remote controller cannot be connected.)
Network connectors	RJ-45 (category 5), 10bBASE-T/100BASE-TX
USB	4P type A** x 2 (conforming to USB 1.1) (** For use only with mouse and keyboard)

■ RECOMMENDED MEDIA

DVD-R for General Ver2.0	JVC, Maxell, TDK (x1, x2, x4)
DVD-RW Ver1.1	JVC, Maxell (x1, x2)

■ PROVIDED ACCESSORIES

AC adapter x 1, power cord x 1

The values for weight and dimensions are approximate.

BD-X200U: NTSC model, BD-X200E: PAL model

* Windows is a registered trademark of Microsoft Corporation.

* Intel Pentium is a registered trademark or trademark of Intel Corporation.

* Dolby Digital is a registered trademark of Dolby Laboratories Licensing Corporation.

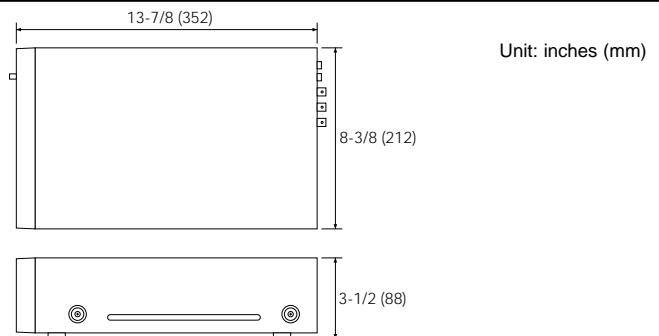
Front Panel



Rear Panel



Dimensions



Related Equipment

<p>Professional DV camcorder</p> <p>■ GY-DV5000</p>	<p>Hard disk recorder</p> <p>■ DR-DV5000</p>	<p>Professional DV recorder/player</p> <p>■ BR-DV6000</p>
<p>Professional DV recorder/player</p> <p>■ BR-DV3000</p>	<p>Plasma display</p> <p>■ GD-V502</p>	<p>D-ILA projector</p> <p>■ DLA-SX21</p>

Design and specifications subject to change without notice.

JVC®

VICTOR COMPANY OF JAPAN, LIMITED

DISTRIBUTED BY



■ The Hachioji Plant of Victor Company of Japan, Ltd., has received ISO14001 and ISO9001 Certifications under the global standard for environmental management.

Printed in Japan
OCN-9029 CEX200KN0403