FOCUS
A Vitec Company

MR-HD100

Camera Compatibility

JVC PROFESSIONAL

The Native File Recording Advantage

With the MR-HD100 Portable Media Recorder, you'll go from acquisition to editing with unparalleled speed, efficiency, and reliability. By combining Native File Recording with advanced caching, the MR-HD100 ensures that you never miss an important shot or lose critical footage. And best of all, your footage is ready to edit instantly.

High-Capacity Hard Drive

Rugged, shock resistant, and extremely power efficient, the MR-HD100 features a 100GB or 120GB hard disk. Using the Universal Disk Format (UDF) to write files, the MR-HD100 saves long recordings (up to 1.5 hours) as a single clip (instead of a series of individual clips), making it much faster and easier to manage clips in postproduction.

Hard Drive	100GB	120GB
DV	7.5 hours	9 hours
HDV 1080i	7.5 hours	9 hours
HDV 720p	10 hours	12 hours

Defining a new class of Native File Recording, the MR-HD100 Portable Media Recorder weighs only twelve ounces, brings Native File Recording technology to your JVC ProHD handheld camcorder, and enables you to add custom metadata while you're recording.

MR-HD100 Portable Media Recorder

Go from Acquisition to Editing in One Step

Featuring a backlit color display, an easy-to-use menu system, a 120GB hard drive, and a removable, rechargeable battery, the MR-HD100 is the perfect companion for your Pro HD camcorder. Audio, video, timecode, and control information is passed through a single FireWire cable, allowing you to record to disk or to disk and tape simultaneously.

Designed for use in even the roughest conditions, the MR-HD100 includes a 10-second electronic shock cache to ensure that you never lose footage. Advanced features such as time lapse (DV mode only), retro disk recording, scene marking, and clip categorization make the MR-HD100 Portable Media Recorder the perfect companion for handheld shoots. When recording is complete, your footage is ready to edit instantly—no capturing, file transfer, or file conversion is required.

Assign Custom Metadata on the Fly

With the MR-HD100, you can personalize and optimize workflow—while you shoot. With your wireless handheld device or laptop, you can access the MR-HD100 through a browser, define metadata, and assign it to video while you're recording, eliminating the need to tag footage when the shoot is over. During postproduction, simply transfer clips—complete with metadata—from the MR-HD100 to your NLE system. All of the information that you assigned during the shoot goes with the clips, saving you hours or even days of logging time.

Count On the MR-HD100 to Deliver

Powerful, Flexible, and Easy to Use

Record a wide range of HDV and DV formats

Navigate quickly and easily using the intuitive menu structure

Perfect for Long Recordings

Record up to 12 hours of HDV video at a time

Record up to 1.5 hours of HDV or DV video as a single clip; a new clip is automatically created when the end of the current clip is reached

Take advantage of up to three hours of recording time from the standard-capacity battery

Equipped for Connectivity

Connect to a wired[1] or wireless[2] network via the USB 2.0 port and transfer clips from the MR-HD100 to your NLE system

Assign metadata to footage while it's being recorded[2] using the MR-HD100 browser-based interface and your wireless handheld device or laptop

Quiet, Power-Efficient Operation

Enjoy the quiet operation of the MR-HD100, made possible by its energy-efficient hard drive that does not require a fan

[1] Requires an Ethernet-to-USB adapter (sold separately)
[2] Requires the included 802.11 dongle

Recording Modes

HDV Recording Modes

.m2t 720p 24/25/30/50/60
.m2t 1080i 50/60
MXF HDV (720p 30)
MXF HDV (1080i 50/60)
QuickTime 1080i 50/60
QuickTime 720p 24/25/30/50/60

DV Recording Modes

AVI Type 1	MXF
AVI Type 2	QuickTime
Canopus AVI	RawDV
Matrox AVI	

Native MXF HDV Support

With the MR-HD100, you can record native MXF HDV 720p 30 and 1080i 50/60 clips and import them into Avid Xpress Pro, Avid Media Composer, or Avid NewsCutter for editing.

Native QuickTime HDV Support

With the MR-HD100, you can record 1080i 50/60 or 720p 24/25/30/50/60 clips as native QuickTime HDV. The MR-HD100 extracts and decodes the audio from the incoming HDV stream, combines it with the video stream, and wraps it as a QuickTime HDV file. When recording is complete, your QuickTime HDV file can be imported directly into Final Cut Pro—no capture or conversion is required.

NLE System Compatibility

Because the MR-HD100 is capable of recording video in a wide range of formats, it's compatible with a large number of nonlinear editing systems. To review the complete list of Native File Recording compatible NLE software, please visit www.focusinfo.com.

Engineered for Portability, Durability, and Ease of Use

Only 2.75 inches wide, 5.4 inches high, and 1.25 inches deep, the MR-HD100 packs a wealth of functionality into a sleek and durable package that weighs only twelve ounces. Crafted from the inside out to meet the reliability and quality standards that video professionals demand, the MR-HD100 is designed to deliver great results under even the most challenging shooting conditions.

Disk Activity Indicator   Battery Charge Indicator
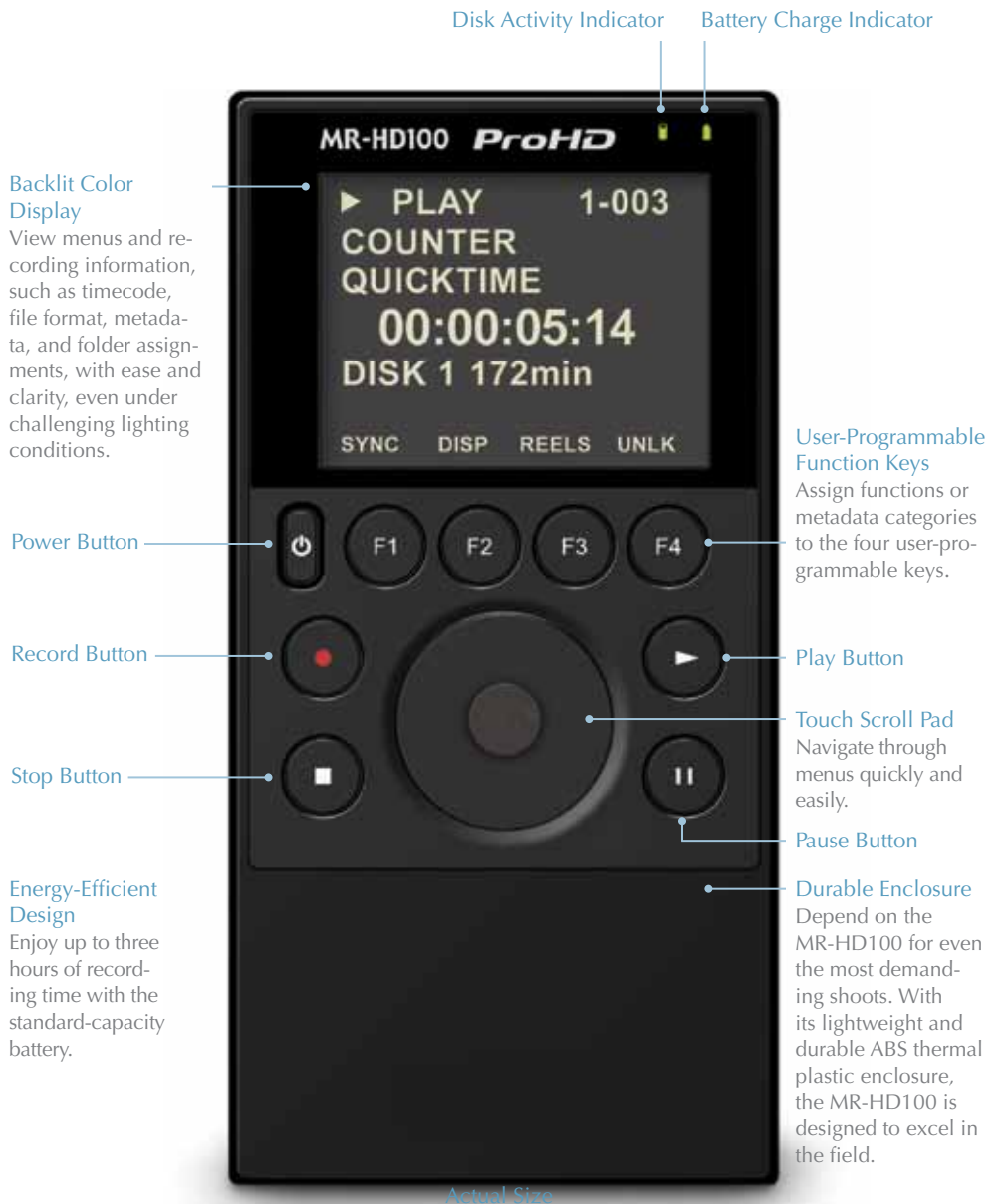
Backlit Color Display
View menus and recording information, such as timecode, file format, metadata, and folder assignments, with ease and clarity, even under challenging lighting conditions.

Power Button

Record Button

Stop Button

Energy-Efficient Design
Enjoy up to three hours of recording time with the standard-capacity battery.

User-Programmable Function Keys
Assign functions or metadata categories to the four user-programmable keys.

Play Button

Touch Scroll Pad
Navigate through menus quickly and easily.

Pause Button

Durable Enclosure
Depend on the MR-HD100 for even the most demanding shoots. With its lightweight and durable ABS thermal plastic enclosure, the MR-HD100 is designed to excel in the field.

Actual Size

Designed to Transform Workflow at the Recording Stage

Not only does the MR-HD100 enable you to go straight from shooting to editing by recording video in the NLE-compatible file format of your choice, but it allows you to add custom metadata to footage while you're recording. With three simple steps, you can define metadata fields for your shoot, add metadata tags to footage while its recording, and transfer edit-ready clips to your NLE system, complete with camera-generated and custom-defined metadata. This simple three-step process dramatically streamlines workflow and saves numerous hours typically spent reviewing, logging, and tagging footage after it's shot.

1

CREATE METADATA TEMPLATE

With your wired or wireless laptop or handheld device, access the MR-HD100 through its browser-based interface, define metadata categories and fields, and save them as a template on the MR-HD100.
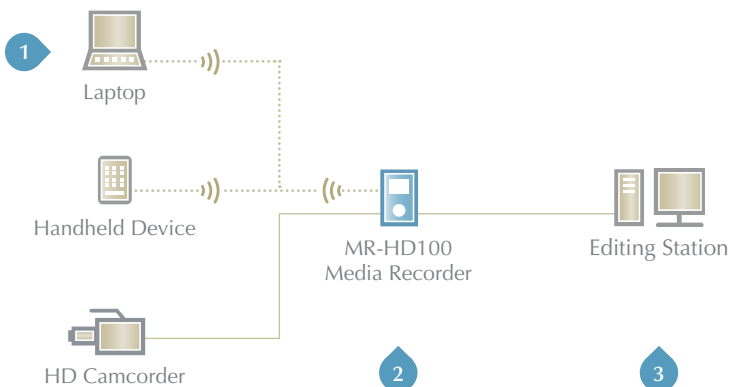
2

TAG MEDIA ON THE FLY

When you're ready to shoot, access the metatdata template on the MR-HD100 from the browser on your laptop or handheld device and assign metadata as you record. Use the metadata fields in your template or create new metatdata tags on the fly.

3

TRANSFER AND ORGANIZE

After the shoot, transfer clips from the MR-HD100 to your NLE system. Custom metadata is transferred with your footage, making it simple to search for and organize clips.

Connectivity

With its FireWire, GPI/RS-232, and USB 2.0 ports, the MR-HD100 easily connects to your camera, a remote control unit, or your wired network. For wireless connectivity, simply plug the included 802.11 dongle into the USB 2.0 port and use your wireless PDA or laptop to send custom metadata to the MR-HD100 while your footage is recording.

FireWire/iLINK   GPI/RS-232   USB 2.0

Top Panel
(75% of Actual Size)

1
With a wireless laptop or handheld device, you can access the MR-HD100 through a browser, define metadata, and assign it to video while you're recording.

Laptop

Handheld Device

HD Camcorder

MR-HD100
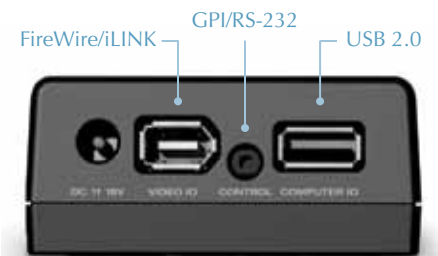Media Recorder

Editing Station

2
Record video, complete with camera-generated metadata and user-defined metadata received through a wireless connection (included 802.11 dongle required).

3
When your recording is complete, simply transfer the clips to your media server or editing station—no file conversion is required. Clips are ready to edit instantly.

Control Modes

External	GPI/External Remote
Local	

Timecode Modes

External (Camera)	Record Run
Free Run	Regen

Special Recording Modes

Retro-Cache	Snap[1]
Retro-Disk	Time Lapse[1]

Disk Utilities

Format	Repair Clip
Delete Clip	Repair Disk

[1] DV recording mode only

Support

When you purchase video production solutions from Focus, you not only receive reliable products that deliver superior performance every day, you also receive outstanding service and support from a team of seasoned video professionals.

Technical Specifications

MODEL	MR-HD100
Display	2.5-inch (diagonal) color TFT LCD display; 320- by 240-pixel resolution
Input/Outputs	DV I/O: 25 Mbps
	HDV I/O: MPEG-2 transport stream (19.8 or 25 Mbps)
	Computer I/F: USB 2.0 (up to 480 Mbps) (1 x USB-A female); Video I/O: 1 x 6-pin IEEE-1394 (FireWire); GPI and RS-232C control (1 x 3.5mm minijack)
Audio	DV input: Embedded 2-channel (48 kHz, 16-bit) or 4-channel (32 kHz, 12-bit)
	Note: 4-channel (12-bit, 32 kHz) audio is supported only in RawDV file format
	HDV input: Embedded MPEG-1 Audio Layer II
Video (DV)	25 Mbps; 8-bit 4:1:1 (NTSC-DV) or 4:2:0 (PAL-DV) (model dependent)
Video (HDV)	MPEG-2 (MP@H-14) 720p (8-bit,19.7 Mbps) or 1080i (8-bit, 25 Mbps)
Timecode	DV embedded timecode (drop or nondrop)
DTE Formats (SD)	AVI Type 1, AVI Type 2, Canopus AVI, Matrox AVI, MXF, QuickTime, RawDV
DTE Formats (HD)	.m2t HDV (720p 24/25/30/50/60, 1080i 50/60), MXF HDV (720p 30, 1080i 50/60), QuickTime HDV (720p 24/25/30/50/60, 1080i 50/60)
Disk	1.8" 100GB or 120GB
Disk Speed	4200 RPM; 8MB cache
Disk Format	UDF (Universal Disk Format) or FAT32
Networking	USB 802.11 dongle (standard) or USB Ethernet adapter (optional)
OS Compatibility	Windows XP; Mac OS X
Power Adapter	11-18V DC; minijack power connector
Battery	Custom removable Li-ion rechargeable battery
Battery Capacity[1]	Standard-capacity battery (180 minutes)
Dimensions	2.75" wide by 5.4" high by 1.25" deep (70mm x 137mm x 32mm)
Weight	12 oz. (0.34 kg)
Compliance	CE, C-Tick, FCC, and RoHS
Warranty	1 year
Accessories Included	Standard-capacity Li-ion rechargeable battery (180 minutes), 4- to 6-pin FireWire cable, 6- to 6-pin FireWire cable, USB A-to-A cable, mount cradle and 802.11g WiFi Adapter
Optional Accessories	Standard-capacity Li-ion rechargeable battery (180 minutes)

[1] Estimated recording time

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