



MR-HD100

### Camera Compatibility



### 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<sup>1</sup> or wireless<sup>2</sup> 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<sup>2</sup> 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

<sup>1</sup> Requires an Ethernet-to-USB adapter (sold separately)

<sup>2</sup> 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

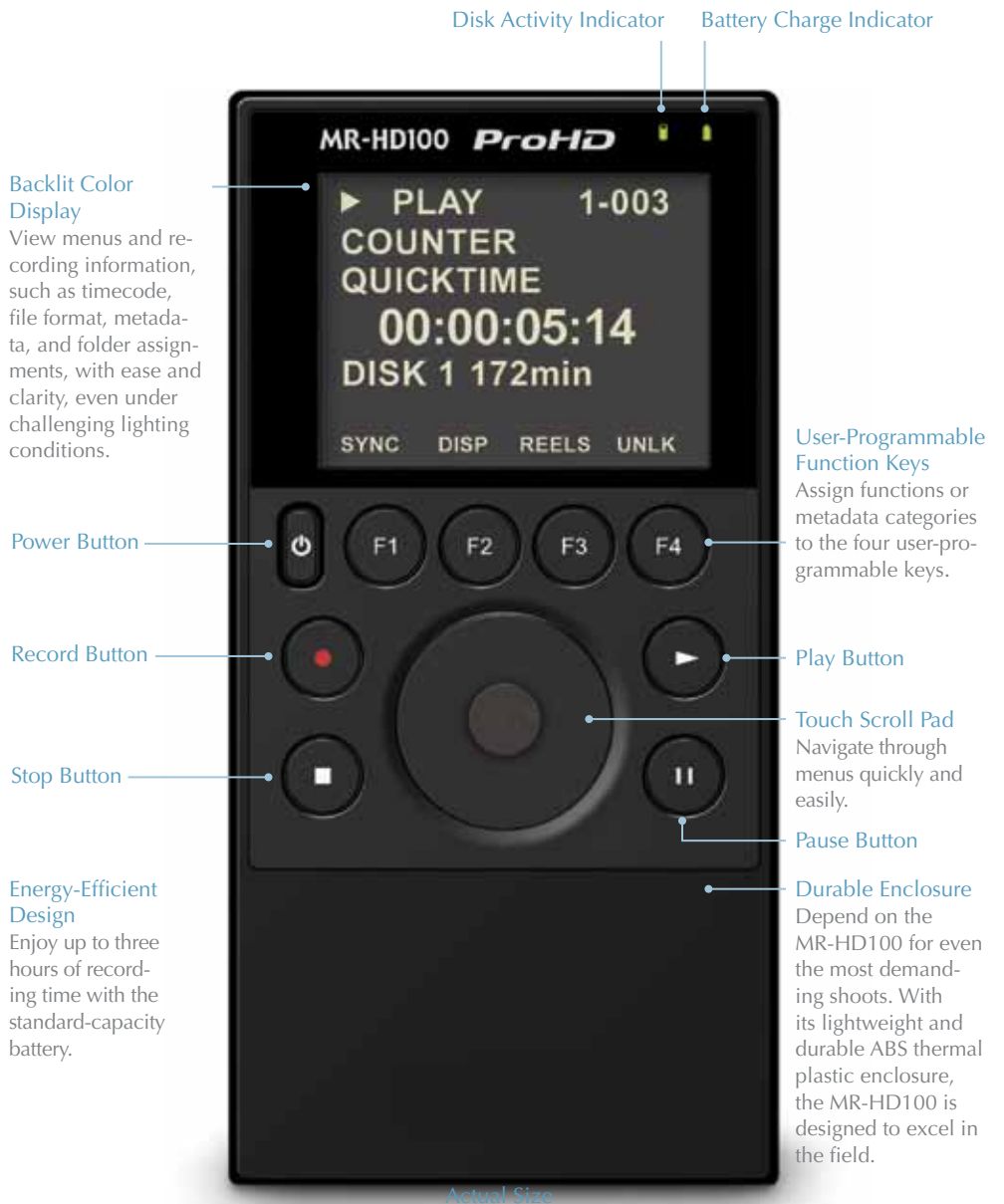
With the MR-HD100, you can record 1080i 50/60 or 720p 24/25/30/50/60 clips as native QuickTime HDV. The MR-HD100 extracts and decodes the audio from the incoming HDV stream, combines it with the video stream, and wraps it as a QuickTime HDV file. When recording is complete, your QuickTime HDV file can 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](http://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.



## 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

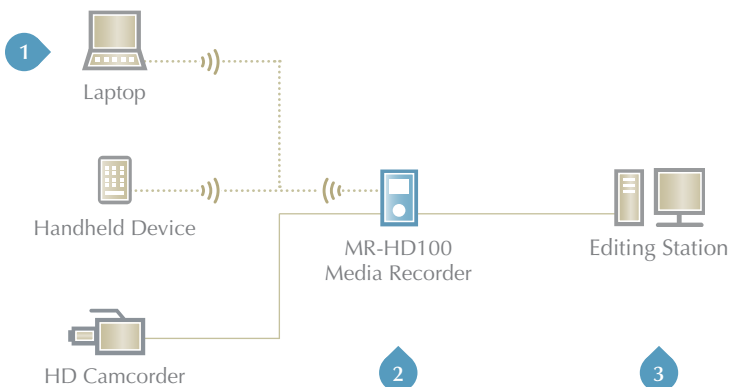
When you're ready to shoot, access the metadata template on the MR-HD100 from the browser on your laptop or handheld device and assign metadata as you record. Use the metadata fields in your template or create new metadata tags on the fly.

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.

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.

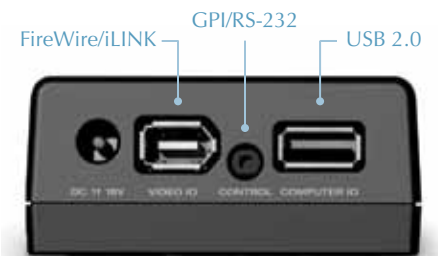


Record video, complete with camera-generated metadata and user-defined metadata received through a wireless connection (included 802.11 dongle required).

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.

## 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.



Top Panel  
(75% of Actual Size)

## Control Modes

|          |                     |
|----------|---------------------|
| External | GPI/External Remote |
| Local    |                     |

## Timecode Modes

|                   |            |
|-------------------|------------|
| External (Camera) | Record Run |
| Free Run          | Regen      |

## Special Recording Modes

|             |                         |
|-------------|-------------------------|
| Retro-Cache | Snap <sup>1</sup>       |
| Retro-Disk  | Time Lapse <sup>1</sup> |

## Disk Utilities

|             |             |
|-------------|-------------|
| Format      | Repair Clip |
| Delete Clip | Repair Disk |

<sup>1</sup> 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<br>HDV I/O: MPEG-2 transport stream (19.8 or 25 Mbps)<br>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)<br>Note: 4-channel (12-bit, 32 kHz) audio is supported only in RawDV file format<br>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 <sup>1</sup> | 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, PSU User Manual  |
| Optional Accessories          | Standard-capacity Li-ion rechargeable battery (180 minutes)   |

<sup>1</sup> Estimated recording time

**Corporate Headquarters**  
Focus, A Vitec Company  
1370 Dell Avenue  
Campbell, CA 95008  
P 650 230 2400  
F 408 739 1706  
E sales@focusinfo.com  
E asiapac@focusinfo.com

**European Headquarters**  
COMO Computer & Motion GmbH  
A Vitec Company  
Lise-Meitner-Str.15  
24223 Schwentimental  
Germany  
P +49 4307 8358 0  
F +49 4307 8358 99  
E emea@focusinfo.com

©2011 Vitec Multimedia. Specifications are subject to change. All brand and product names are trademarks of their respective companies. 2/11