

# JVC

The Perfect Experience / —

## ProHD Memory Camera Recorder

# GY-HM100



## **World's first tapeless Compact Hand-Held camcorder to record Apple QuickTime™ file format (for Final Cut Pro™) directly to SDHC memory cards**

### **Compact Hand-Held form factor**

Weighing only 3.2 lbs., the GY-HM100 is the smallest and lightest HD camcorder to offer true 35Mbps professional performance. Its size and portability open up new possibilities for high-quality HD recording applications, while reducing the strain of hand-held operation.

### **Newly developed 1/4" progressive 3CCD and 10x high-quality lens developed by Fujinon**

3 newly developed CCDs deliver razor sharp images with superb color reproduction. JVC's proprietary 1080p digital processor applies 5 advanced noise reduction technologies. A 10x Fujinon lens provides edge-to-edge sharpness, and offers manual or auto focus, zoom and iris.

### **SDHC Media Card recording with 2 card slots**

GY-HM100 records files directly to widely available SDHC media cards. SDHC memory cards are highly reliable yet inexpensive—comparable to professional tape costs. GY-HM100 has two card slots, allowing for more than six hours(\*2) of continuous recording.

### **World's first native support for Apple QuickTime file format (for Final Cut Pro)**

GY-HM100 natively records in the file format used by Apple QuickTime™ (for Final Cut Pro™)—the most popular NLE system in the professional video market today—and the ISO base media file format. The recorded files can be transferred to most NLE systems seamlessly.

### **35Mbps MPEG-2 (HQ) and 19Mbps/25Mbps SP Modes**

GY-HM100 records 1920x1080 HD video using the MPEG-2 Long GOP codec at 35Mbps in HQ mode. This provides long recording times for efficient media usage without compromising picture quality. Additionally, GY-HM100 records 720p (19Mbps) and 1080i (25Mbps) in SP mode.

# ProHD

(\*2): 32GB card, MPEG-2 19Mbps recording mode

## ■ Features

- AF/OIS and a range of manual functions
- Professional switch layout and comprehensive video settings
- 0.44" color viewfinder/2.8" LCD display
- Built-in stereo microphone and 2-channel balanced audio inputs, mic/line switchable, built-in phantom power supply
- HDMI output, USB 2.0 interface

## ■ Specifications

GENERAL	
Power	DC 6.3V (AC adaptor), DC 7.2V (Battery)
Power consumption	7.2W (with VF and LCD monitor)
Dimensions	138(W) x 178(H) x 365(D)mm (5-7/16" x 7" x 14-3/8")
Mass	Approx. 1.4kg (3.2lbs) (Including battery, microphone)
Operating temperature	0°C to 40°C (32°F to 104°F)
Storage temperature	-10°C to 60°C (18°F to 140°F)
Operating humidity	30% to 80%
Storage humidity	Under 85%
CAMERA	
Image sensor	1/4" Progressive scan 3CCD
Synchronizing system	Internal synchronization
Stabilizer	Optical image stabilizer
Lens	Fujinon F1.8, 10x, f=3.7-37mm (35mm conversion:39 to 390mm)
Filter diameter	46mm
Shutter speed	1/4 to 1/10000
Gain	0, 3, 6, 9, 12, 15, 18 dB, ALC
ND filter	1/10
LCD display	2.8"
Viewfinder	0.44"
RECORDING	
Recording media	2x SDHC memory card Class 6
Video recording	Video codec: MPEG2 Long GOP
	File format: Quick time format for Final Cut Pro/ISO base media file format
Recording mode	60Hz setting: HQ mode:1920 x 1080/59.94i, 29.97p, 23.98p, 1440 x 1080/59.94i, 1280 x 720/59.94p, 29.97p, 23.98p SP mode: 1440 x 1080/59.94i, 1280 x 720/59.94p, 29.97p, 23.98p
	50Hz setting: HQ mode:1920 x 1080/50i, 25p 1440 x 1080/50i, 1280 x 720/50p, 25p SP mode: 1440 x 1080/50i, 1280 x 720/50p, 25p
Audio recording	LPCM 2ch, 48kHz/16-bit (Internal stereo mic/External mic input)
STILL IMAGE RECORDING	
Recording media	Multimedia card/SD card/SDHC card
Format	JPEG
INTERFACE	
Video output	Composite output (480i, 4:3/16:9) (φ3.5mm mini jack) Component output (480i /720p /1080i) (Multi-pin cable) HDMI output (480i / 720p /1080i)
Audio input	XLR x2 (MIC,+48V/LINE)
Mic input	φ3.5mm mini jack
Audio output	φ3.5mm mini jack
Headphone	φ3.5mm mini jack
USB	USB2.0, mini B
PROVIDED ACCESSORIES	
Battery pack x1, AC adapter x1, Battery charger x1, Microphone x1, Wireless remote control unit x1, Component cable x1, AV cable x1	

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