

# ProHD Solid State Media Camcorder GY-HM100

Preliminary Information



**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.

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

Three newly developed CCDs deliver razor sharp images with superb colour reproduction. A 10x Fujinon lens provides edge-to-edge sharpness, and offers manual or auto focus, zoom and iris.

- **SDHC Media Card recording with 2 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 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) & 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.

**35  
Mbps**

## Features:

- AF/OIS and a range of manual functions
- Professional switch layout and comprehensive video settings
- 0.44" colour 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

## GENERAL

Power	DC 11V (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")
Weight	Less than 1.4kg (3.1 lbs) (including battery, microphone, SDHC cards)
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"

## HD VIDEO 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	60 Hz 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) (3.5mm mini jack) Component output (480i /720p /1080i) (Multi-pin cable) HDMI output (480i: / 720p /1080i)
Audio input	XLR x2 (MIC,+48V/LINE)
Mic input	3.5mm mini jack
Audio output	3.5mm mini jack
Headphone	3.5mm 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, A/V cable x1