

ProHD Solid State Media Camcorder GY-HM700

Preliminary Information



The GY-HM700 combines JVC's popular compact shoulder form factor with a new level of performance suitable for demanding applications in mainstream production, electronic news gathering and cinematography. Add to that the convenience of solid state recording, the economy of widely available SDHC media, and the world's fastest workflow, and it's easy to see why the GY-HM700 is today's most complete and versatile professional camcorder.

- Compact Shoulder form factor
- New patented 3-CCD optical system provides full HD resolution images
- Industry standard bayonet lens mount
JVC offers a wide range of lenses and accessories
- Wide range of lens options available
- Records to dual hot swappable SDHC memory cards and/or optional SxS adapter
- Pre Rec (retro cache) function prevents 'missed shots'
- Professional recording with selectable data rates up to 35Mbps
 - 1920 x 1080 (1080p24/p25/p30, 1080i60/i50)
 - 1280 x 720P (p60/p50/p30/p25/p24)
- HD-SDI output
Can also provide downconverted SDI output—live or playback.
- Patented Focus Assist function
- Native file recording—world's fastest shoot-to-edit workflow
 - Native Final Cut Pro format
Edit immediately without conversion or transcoding
 - .MP4 file format
Available with optional SxS Media Recorder
- Variable frame rate recording (over crank, under crank)
- Downconverted SD output (DV via IEEE-1394)
- New high resolution (1.22 million pixel) Liquid Crystal on Silicon (LCOS) viewfinder
- New large (4.3-inch) flip-out LCD monitor
- Built-in clip viewer and management system
- Extensive image customisation modes (gamma, matrix, knee, detail, etc.)
- Uncompressed LPCM audio (2ch) recording
 - Manual level controls with audio meter
 - XLR inputs with phantom power

GENERAL

Power	DC 12V (11-17V)
Power consumption	22W (Rec mode with no optional peripherals)
Dimensions	224(W) x 404(H) x 243(D)mm (8-13/16" x 15-29/32" x 9-9/16")
Weight	Approx.3.6kg (8lbs) (Including lens, viewfinder, microphone, battery)
Operating temperature	0°C to 40°C (32°F to 104°F)
Storage temperature	-20°C to 60°C (-4°F to 140°F)
Operating humidity	30% to 80%
Storage humidity	Under 85%

CAMERA

Image sensor	1/3" Progressive scan 3CCD
Synchronizing system	Internal synchronization
Lens	Canon F1.6, 14x, f=4.4-61.6mm (35mm conversion:32 to 448mm)
Lens mount	1/3" bayonet
Filter diameter	82mm
Shutter speed	1/4 to 1/10000
Gain	0, 3, 6, 9, 12, 15, 18 dB, ALC
ND filter	1/4, 1/16
LCD display	4.3" LCD 800 x 480 pixels
Viewfinder	0.45" LCOS, 410,000 pixels

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 .MP4 media file format (w/KA-MR100)
Recording mode	NTSC setting: HQ mode:1920 x 1080/59.94i (.mov only), 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 PAL setting: HQ mode:1920 x 1080/50i (.mov only), 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

INTERFACE

Video output	Composite output (480i or 576i, 4:3/16:9) (BNC) Component output (720p /1080i) (BNC x3) SDI output (480i or 576i :Downconverted/ 720p /1080i :embedded audio) (BNC)
IEEE1394 output	4-pin (HD/Downconverted SD)
Audio input	XLR x2 (MIC,+48V/LINE)
Audio output	RCA x2
Headphone	3.5mm mini jack x2
USB	USB2.0, mini B

PROVIDED ACCESSORIES

Microphone x1

