JVC

HD Memory Card Camera Recorder

JY-HM70

Full HD 1920×1080

Works with
**iMovie and
Final Cut Pro X**
Mac

Shown with optional microphone MZ-V10

f=3.76~37.6mm

16X DYNAMIC ZOOM

F1.2 WIDE / O.I.S.

C.MOS BACK ILLUMINATED

F1.2 WIDE / O.I.S.

HDMI
HIGH-DEFINITION MULTIMEDIA INTERFACE

AVCHD Progressive

SDXC

SDHC CLASS 10

SDHC CLASS 6

SDHC CLASS 4

Dependable Performance

Optical Image Stabiliser

Focus Ring

16x DYNAMIC ZOOM

MODE

i.AUTO

SHUTTER

F1.2 WIDE / O.I.S.

CMOS BACK ILLUMINATED

AF

MF

ADJ.

SET   WHT BAL

* Images are shown with optional microphone MZ-V10

Professional and Long-lasting Performance for those Precious Moments

Manual Operation Buttons
(Iris, White balance, Shutter, Focus, etc.)

Catch Every Moment in Bright and Stunning Detail

F1.2 BRIGHT LENS   **16x Dynamic Zoom**

Capture those special moments in stunning clarity and brightness with the on-board shooting capabilities of the JY-HM70. Brighter and faster than conventional lenses, the dynamic 16x F1.2 Bright Lens gives you professional results in low light environments, providing brilliant results when recording weddings, social functions, or other special events without the need for additional lighting. Low light sensitivity is further enhanced by the onboard features, which deliver clear images with precise colours when indoors or in dark situations. Housed in the prominent lens barrel, the 29.5mm GT Lens was developed specifically to guarantee optimal results together with the 1/2.3-inch 12 Megapixel Back-illuminated CMOS sensor, yielding high resolution, high sensitivity, and excellent colour reproduction.

GT LENS

29.5mm Wide Angle Lens
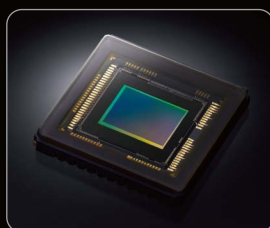
1/2.3-inch 12M Back-illuminated CMOS Sensor

Flexible Recording Formats and Powerful Processing

JVC JCY0246 FALCONBRID

FALCONBRID™

With the kind of flexibility demanded for by professionals, the JY-HM70 covers all of the bases with both SD and HD production workflows. Recording is possible in silky-smooth AVCHD Progressive 1920 x 1080 50p Full HD resolution as well as in standard definition, providing exceptional image quality and workflow versatility.

This remarkable recording flexibility is supported by FALCONBRID™, JVC's high-speed processor for advanced video applications. Delivering tremendous processing power on a single chip, the on-board FALCONBRID™ engine processes large amounts of video pixel data at exceptional speeds. Even more, it is possible to shoot stills in 12 megapixel Ultra High Resolution, while stills and video can be shot simultaneously in 2 megapixel resolution.

	AVCHD Format
HD Recording	1920 x 1080/50p 28Mbps 1920 x 1080/50i 24/17/12/5Mbps
SD Recording	720 x 576i 6/3Mbps

0.24-inch Viewfinder

3.0-inch Touch Panel LCD

Shoot with Confidence Using Dual SD Card Slots and Automatic Card Slot Relay

For maximum flexibility and convenience, the JY-HM70 uses SDHC/SDXC recording media, the reliability and cost-effectiveness of which makes it the most widely used media by professionals today. Failsafe shooting is further provided by the two onboard card slots, ensuring you never miss a moment. When the card in slot A(B) is full, the camcorder switches seamlessly and automatically to the card loaded into slot B(A)*. Also, if the card in slot A encounters an error during a shoot, recording will automatically switch to slot B by Auto Recovery Mode.

* Cards are not hot swappable.

Auto Recovery Mode

SD Card A

SD Card B

Unprecedented Recording Times with Dual Battery Mounts

Equipped with dual battery mounts, the JY-HM70 makes sure that you outlast those extended shoots, giving you long-lasting battery power to capture every moment from start to finish. Two battery mounts not only give you double the recording time initially, they are also hot swappable. This means you can keep exchanging batteries without any break in recording. Marking an industry-first in camcorder battery technology, JVC delivers peace of mind in everlasting power.

* Only one battery supplied

Other Features

- Optical Image Stabiliser
- 3.0-inch 230K Touch Panel LCD
- 0.24-inch 260K Viewfinder
- Internal Stereo Microphone
- Face Recognition
- Terminals: HDMI Out, AV Out, Headphone Out, USB, Mic In, Remote

Specifications

JY-HM70

General

Power	DC 11V (AC adaptor), DC 7.2V (Battery)
Power consumption	Approx. 3.6W (when LCD monitor backlight is set to [Level 3], 1920 x 1080/50i mode)
Dimensions	227(W) x 232(H) x 476(D)mm (without battery)
Mass	Approx. 3.0kg (Including one BN-VF823 battery, SDHC card)
Operating temperature	0℃ to 40℃
Storage temperature	-20℃ to 50℃
Operating humidity	35% to 80%
Storage humidity	Under 85%

Camera

Synchronising system	Internal synchronisation
Stabiliser	Optical Image Stabilisation with Enhanced Advanced Image Stabiliser
Lens	JVC HD GT LENS F1.2-2.8, f=3.76-37.6mm 35mm conversion: 29.5mm to 476mm*[1]
Zoom ratios	Optical 10x Dynamic 16x*[2] Digital (max.) 200x
Focus	Auto/Manual
Filter diameter	46mm (screw pitch 0.75mm)
Image sensor	1/2.3" 12M pixels progressive scan 1CMOS **Recording area Video** 5.4M to 2.07M pixels*[1] **Recording area Still image (16:9)** 5.4M to 2.07M pixels*[2] **Still image (4:3)** 6.04M to 4.5M pixels*[2]
Gain	OFF, ON, AUTO SLOW-SHUTTER
Minimum illumination	1 lx (GAIN UP: AUTO SLOW-SHUTTER mode, Shutter Speed 1/25)
Shutter speed	1/2 to 1/4000
Iris	F1.2-5.6
White balance	Auto, MWB, 5200K, 6000K, 3200K
High-speed video recording (for slow motion)	250 fps (fixed) (Resolution: 720 x 576)
Continuous shooting speed (during still image recording)	High: Approx. 12.5 images/sec, Medium: Approx. 6.25 images/sec, Low: Approx. 2 images/sec
LCD display	3.0" LCD 230K pixels, 16:9
Viewfinder	0.24" LCOS 260K pixels, 16:9
Internal microphone	2ch Stereo (with Zoom Microphone Function)

Video/Audio Recording

Recording media	SDHC/SDXC (Class 4/6/10) Card, Memory Card Slots × 2
Recording format	Video HD: AVCHD/AVCHD Progressive, MPEG-4 AVC/H.264 Audio: Dolby Digital 2ch (AC3) 48kHz/16-bit, 256kbps
Recording mode	**HD** Progressive mode:1920 x 1080/50p: Appprox.28Mbps (max) UXP mode:1920 x 1080/50i: Appprox.24Mbps XP mode: 1920 x 1080/50i: Appprox.17Mbps SP mode: 1920 x 1080/50i: Appprox.12Mbps EP mode: 1920 x 1080/50i: Appprox.5Mbps **SD** SSW (16:9) mode: 720 x 576/50i: Appprox.6Mbps SEW (16:9) mode: 720 x 576/50i: Appprox.3Mbps

Still Image Recording

Recording media	SD/SDHC/SDXC Card
Recording format	JPEG

Interface

Video output	RCA x 1 HDMI Connector (x.v.Colour compatible) x 1
Audio output	RCA x 2
Mic input	ø 3.5mm mini jack (stereo) x 1 (Plug in power)
Headphone	ø 3.5mm mini jack (stereo) x 1
USB	Mini USB Type AB, USB 2.0 compliant
Remote	ø 3.5mm mini jack x 1

Accessories Provided

AC adapter (AP-V20), Battery pack (BN-VF823), Composite/audio cable (RCA x 3), USB cable, Application Software (CD-ROM)

*[1] Image Stabiliser: OFF, Dynamic Zoom: ON
*[2] Image Stabiliser: OFF

Optional Accessories

BN-VF823
Battery
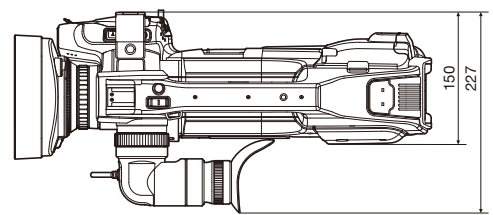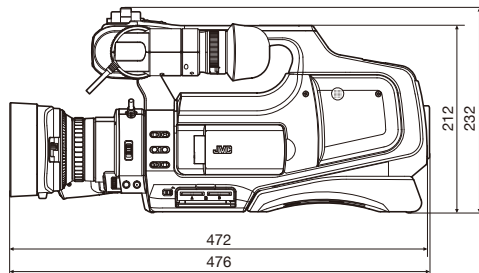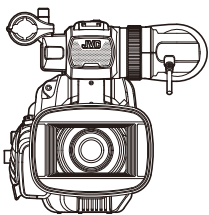
AA-VF8
Battery Charger

MZ-V10
Stereo Microphone

■ SDHC Class 4/6/10, SDXC recording time (approx.)

* Class 4 only corresponds with XP, SP, EP, SSW and SEW modes.

Resolution	1920 x 1080/50p	1920 x 1080/50i				720 x 576/50i	
Mode	Progressive	UXP	XP	SP	EP	SSW	SEW
4GB	15 min.	20 min.	30 min.	40 min.	1 hr. 40 min.	1 hr. 20 min.	2 hr. 50 min.
8GB	35 min.	40 min.	1 hr.	1 hr. 20 min.	3 hr. 30 min.	2 hr. 40 min.	5 hr. 40 min.
16GB	1 hr. 10 min.	1 hr. 20 min.	2 hr.	2 hr. 50 min.	7 hr. 10 min.	5 hr. 30 min.	11 hr. 30 min.
32GB	2 hr. 30 min.	2 hr. 50 min.	4 hr.	5 hr. 50 min.	14 hr. 40 min.	11 hr. 20 min.	23 hr. 30 min.
64GB (SDXC)	5 hr.	5 hr. 40 min.	8 hr. 10 min.	11 hr. 30 min.	28 hr. 50 min.	22 hr. 20 min.	46 hr. 10 min.
128GB (SDXC)	10 hr.	11 hr. 30 min.	16 hr. 20 min.	23 hr. 10 min.	57 hr. 50 min.	44 hr. 50 min.	92 hr. 40 min.

Dimensions   Unit: mm

Simulated pictures.
The values for weight and dimensions are approximate.
E.&O.E. Design and specifications subject to change without notice.

JVC

DISTRIBUTED BY