

JVC

Handheld Mobile News Camera

GY-HM650

ProHD



The GY-HM650 is the perfect camcorder for next generation newsgathering. With dual codec recording, clips can be transferred to the station immediately with built in FTP. Light, versatile and extremely easy to use, this camera offers superb low light performance, a long (23x) wide angle zoom lens, and MXF file interoperability from acquisition to air.



- 1/3-inch 12-bit CMOS sensors (1920 x 1080 x 3)
- F11 Sensitivity
- 23x Fujinon Auto focus zoom lens with manual functions
F1.6-3.0, 23x, f=4.1-94.3mm (35mm conversion: 29 to 667mm)
- Optical image stabilizer
- SDXC/SDHC memory card recording (2 slots for dual-backup, continuous recording)
- Dual Codec: Recording simultaneously HD and 1/4 HD (for web delivery)
- Multiple encoding formats: HD MPEG2 (35/25/19Mbps) / AVCHD 1920x1080 60i / SD H.264
- Wide media format compatibility:
.MXF with rich Metadata / .MOV (Final Cut Pro) / .MP4 (XDCAM EX™) / AVCHD

Mobile Newsgathering is now faster and better than ever with the introduction of JVC's GY-HM650. Small and light enough to be used anywhere, this advanced camera surpasses the performance of many traditional ENG style units and offers capabilities never before available on any model. Dual codecs make it possible to record for 2 screens simultaneously: full HD on one memory card and a smaller web-friendly file on another card. Transfer the footage back to the station with the GY-HM650's built-in FTP and WiFi connectivity.

Additional Key Features

- 3 position ND filter (1/4, 1/16, 1/64)
- Professional switch layout and comprehensive video settings
- 0.45-inch 1.22M pixel color viewfinder
- 3.5-inch 920K pixel LCD display with focus assist
- Pre Rec (retro) mode (20 sec.)
- Interval (time lapse) recording
- Built-in stereo microphone
- 2-channel balanced audio inputs (mic/line switchable) w/phantom power supply
- HD/SD-SDI, HDMI Outputs
- Wired remote control connector
- Built-in GPS
- WiFi connectivity with Apps for iOS/Android for remote control, remote viewing, metadata upload
- FTP file upload and metadata download via WiFi
- High performance 2D DNR

Product Specifications

| GENERAL SPECIFICATIONS | |
|------------------------|-------------------------------------------------------------------|
| Power | DC 12V (AC adaptor), DC 7.2V (Battery) |
| Power Consumption | Approx. 12W (with VF and LCD monitor) |
| Dimensions | 178(W) x 198(H) x 416(D)mm (7" x 7-13/16" x 16-3/8") |
| Weight | Approx. 2.45kg(5.4lbs):GY-HM650 (Including battery) |
| Operating temperature | 0 to 40 (32 to 104) |
| Storage temperature | -20 to 50 (14 to 122) |
| Operating humidity | 35% to 80% |
| Storage humidity | Under 85% |
| CAMERA | |
| Image Sensor | 1/3" 2.2M pixels progressive scan 3CMOS |
| Synchronizing system | Internal synchronization |
| Stabilizer | Optical image stabilizer |
| Lens | Fujinon F1.6-3.0, 23x, f=4.1-94.3mm (35mm conversion:29 to 667mm) |
| Filter diameter | 72mm |
| Shutter speed | 1/4 to 1/10000 |
| Gain | -6, -3, 0, 3, 6, 9, 12, 15, 18 dB, Lolux, ALC |
| ND filter | 1/4, 1/16, 1/64 |
| LCD display | 3.5" 920K pixels, 16:9 |
| Viewfinder | 0.45" 1.22M pixels, 16:9 |

| VIDEO/AUDIO RECORDING | |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Recording media | 2x SDHC/SDXC memory card Class 6/10 |
| Video recording | Video codec: MPEG2 Long GOP(HD), AVCHD, H.264(SD) File format: MOV(HD/SD:H.264), MP4(XDCAM EX), MTS(AVCHD), MXF MPEG-2 Long GOP |
| Recording mode | NTSC 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 PAL setting: HQ mode:1920 x 1080/50i, 25p, 1440 x 1080/50i SP mode: 1440 x 1080/50i AVCHD NTSC setting: HQ mode:1920 x 1080/59.94i, SP mode:1920 x1080/59.94i PAL setting: HQ mode:1920 x 1080/50i, SP mode:1920 x1080/50i SD (H.264) NTSC setting: 720 x 480/59.94i(HM650U only) PAL setting: 720 x 576/50i(HM650E only) Proxy(H.264) NTSC setting: LP/LV mode:480 x 270/29.97p, 23.98p PAL setting: LP/LV mode:480 x 270/25p |
| Audio recording | LPCM 2ch, 48kHz/16-bit(MPEG-2 Long GOP/H.264), AC3(AVCHD) |
| INTERFACE | |
| Video output | AV output (f3.5mm mini jack x1) SDI output (BNC x1) HDMI output x1 |
| Audio input | XLR x2 (MIC,+48V/LINE), f3.5mm mini jack x1 |
| Audio output | AV output (f3.5mm mini jack x1) |
| Headphone | f3.5mm mini jack x1 |
| Time code link input/output | RCA x1 |
| Remote | f2.5mm mini jack x1 |
| PROVIDED ACCESSORIES | |
| Battery pack x1, AC adapter x1, AV cable x1 | |

Specifications are tentative and subject to change without notice.

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