

# JVC

## CONNECTED CAM

CONNECTED CAM JVC



Product photo shown with optional audio receiver and battery

2/3" HD Camera Recorder  
**GY-HC900**

Advanced 2/3" HD camcorder for ENG, Studio and Sports applications. IP connectivity from any location to anywhere in the world.

Camera Features

- 2/3-inch 3CMOS 2.2M-pixel Image sensor
- Industrial standard B4 lens mount
- 50Mbps 4:2:2 10-bit long GOP (H.264) and Standard MPEG-2 (35Mbps) recording
- Professional OLED viewfinder
- F12@60Hz, F13@50Hz sensitivity (Extended mode)
- 62dB S/N ratio (Standard mode)
- HDR recording (Hybrid Log Gamma or New J-log (10bit))
- Records sports Exchange Standard format (1080/720p)
- IPX2 splash proof safety rating

Connection Features

- **CONNECTED CAM:** High performance 1080 60/50p live streaming
- Low latency (<500ms) and stable quality streaming
- Optional LTE dual modem bonding module
- LAN terminal in addition to USB host (V3.0)
- IP return video and IFB audio
- Advanced Zixi error correction, ARQ
- Built-in Wi-Fi (2.4GHz/5GHz) long range MIMO with dual external antennas
- An additional slot for future expansion



Product photo shown with optional accessories.

| GENERAL SPECIFICATIONS     |                                                                                                                                                                                                                                                                                                |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power                      | DC 12V (11V – 17V)                                                                                                                                                                                                                                                                             |
| Power consumption          | 35W (Including 2W for EVF)                                                                                                                                                                                                                                                                     |
| Dimensions (W x H x D)     | 165 mm x 269 mm x 366 mm                                                                                                                                                                                                                                                                       |
| Weight                     | Approx. 3.9 kg (8.7lbs.) (without battery, EVF and lens)                                                                                                                                                                                                                                       |
| CAMERA                     |                                                                                                                                                                                                                                                                                                |
| Image sensor               | 2/3-inch 2.2M pixels progressive 3 CMOS                                                                                                                                                                                                                                                        |
| Lens mount                 | 2/3-inch B4 mount system                                                                                                                                                                                                                                                                       |
| Sensitivity                | F12 (60Hz), F13 (50Hz) at 2000lx (typical; Extended mode)                                                                                                                                                                                                                                      |
| Shutter speed              | 1/6 to 1/10000, EEI                                                                                                                                                                                                                                                                            |
| ND filter                  | None, 1/4, 1/16, 1/64                                                                                                                                                                                                                                                                          |
| S/N ratio                  | 62dB (Standard mode)                                                                                                                                                                                                                                                                           |
| Viewfinder                 | 3.26" OLED, WVGA (854 × 480), 16:9                                                                                                                                                                                                                                                             |
| LCD monitor                | 3.5" LCD, QHD (960 × 540), 16:9                                                                                                                                                                                                                                                                |
| VIDEO/AUDIO RECORDING      |                                                                                                                                                                                                                                                                                                |
| Recording media            | SDHC/SDXC memory card x 2 (HD: Class 6/10 SD/Web: Class 4)                                                                                                                                                                                                                                     |
| Video codec                | MPEG-4 AVC/H.264 (HD/SD), MPEG-2 Long GOP VBR (HD), XAVC: H.264                                                                                                                                                                                                                                |
| HD (MPEG-2 VBR)            | MPEG-4 AVC/H.264(HD/SD), MPEG-2 VBR (HD)                                                                                                                                                                                                                                                       |
| HD (MPEG-2 Long GOP VBR)   | 35 Mbps                                                                                                                                                                                                                                                                                        |
| HD (H.264)                 | 4:2:2 10bit/8bit mode, etc. 50 Mbps – 35 Mbps                                                                                                                                                                                                                                                  |
| SD (H.264)                 | 8 Mbps                                                                                                                                                                                                                                                                                         |
| Proxy (H.264)              | 3 – 1.2 Mbps                                                                                                                                                                                                                                                                                   |
| Audio recording            | LPCM 2ch/4ch, 48kHz/16-bit (MOV/MP4/MXF), µLaw 2ch (Proxy)                                                                                                                                                                                                                                     |
| LIVE VIDEO STREAMING       |                                                                                                                                                                                                                                                                                                |
| Protocol                   | RTMP, MPEG2-TS/UDP, MPEG2-TS/RTP, RTSP/RTP, Zixi                                                                                                                                                                                                                                               |
| Resolution and bit rate    | 1920 x 1080 (59.94p/50p) 20 – 8 Mbps, (29.97p/25p) 20 – 3 Mbps,<br>1920 x 1080 (59.94i/50i) 12 – 3 Mbps,<br>1280 x 720 (59.94p/50p/29.97p/25p) 8 – 1.5 Mbps,<br>720 x 480 (59.94i), 720 x 576 (50i) 8 – 0.3 Mbps,<br>640 x 360 (59.94p/50p) 3/1.5 Mbps,<br>640 x 360 (29.97p/25p) 3 – 0.3 Mbps |
| INTERFACE                  |                                                                                                                                                                                                                                                                                                |
| Video Input                | 3G-SDI (BNC x 1)                                                                                                                                                                                                                                                                               |
| Video output               | 3G-SDI (BNC x 2), HDMI x 1, Composite (BNC x 1)                                                                                                                                                                                                                                                |
| VF terminal                | 26-pin                                                                                                                                                                                                                                                                                         |
| Audio input /output        | XLR 3-pin x 2, (MIC, +48V, LINE)/XLR 5-pin                                                                                                                                                                                                                                                     |
| MIC input                  | XLR 5-pin                                                                                                                                                                                                                                                                                      |
| Genlock input              | Genlock input (BNC x 1)                                                                                                                                                                                                                                                                        |
| Time code input /output    | BNC x 1/BNC x 1                                                                                                                                                                                                                                                                                |
| Remote                     | mini DIN 6-pin x 1                                                                                                                                                                                                                                                                             |
| USB                        | HOST (Type A USB 3.0) x 1 (Network)                                                                                                                                                                                                                                                            |
| Ethernet                   | RJ-45 x 1                                                                                                                                                                                                                                                                                      |
| DC input                   | XLR 4-pin x 1                                                                                                                                                                                                                                                                                  |
| DC output /Light DC output | 4-pin x 2, D-tap x 1                                                                                                                                                                                                                                                                           |
| Built-in slot              | Wireless audio module and optional future expansion                                                                                                                                                                                                                                            |

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The values for weight and dimensions are approximate.  
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