



# GY-HM660

Handheld Mobile News Camera

## ProHD



Camera shown with optional shotgun microphone.

*JVC's latest and most advanced handheld mobile news camera, GY-HM660, is small and light enough to be used anywhere while surpassing the performance of many traditional ENG style units. With the latest streaming engine offering selectable Zixi or SMPTE 2022 forward error correction (FEC), it offers reliable, high quality streaming without the use of a backpack or external encoder. And, it's the world's first camcorder with a built-in IFB audio channel. With its long list of professional features including a (23x) wide angle lens and superb low light performance, the GY-HM660 is perfect for fast paced ENG.*

### Key Features

- Newly designed 1/3-inch 12-bit CMOS sensors (1920 x 1080 x 3)
- F12 Sensitivity — **Improved!**
- 23x Fujinon Auto focus zoom lens with manual functions
- Optical image stabilizer
- 4 position ND filter (clear, 1/4, 1/16, 1/64)
- Brighter 3.5-inch 920K pixel LCD display — **Upgraded!**
- 0.45-inch 1.22M pixel color viewfinder
- SDXC/SDHC memory card recording(2 slots)
- 50Mbps H.264 Extreme High Quality mode (XHQ)
- Dual Codec: Record simultaneously HD + SD or HD + proxy
- Streaming w/advanced Zixi error correction and adaptive bitrate control
- SMPTE 2022 Forward Error Correction — **New Feature!**
- Streaming withstands over 40% packet loss — **New mode!**
- RTMP protocol lets you stream directly to USTREAM, YouTube
- High bitrate streaming (up to 12 Mbps)
- Background FTP clip transfers while recording
- Pre Rec (retro) mode (15 sec.)
- Interval (time lapse) recording
- IFB return audio channel — **New Feature!**
- 2-channel balanced audio inputs
- HD/SD-SDI, HDMI Outputs
- Wired remote control connector (LANC/Control-L)
- Web camera control from tablet, smartphone
- Extensive metadata recording capability
- FTP file upload via WiFi or Broadband

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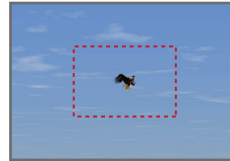
## New High Performance Full HD 1/3-inch CMOS Sensors

At the heart of the GY-HM660 are three, newly designed 1/3-inch CMOS sensors, each capable of capturing full HD 1920 x 1080 resolution images. Offering an excellent sensitivity of F12 (60Hz) /F13 (50Hz) and a remarkable signal-to-noise ratio, the devices provide superior precision and color reproduction.

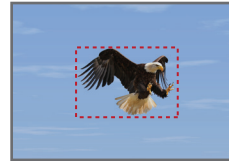
## 23x Fujinon Auto Focus Zoom Lens with Manual Functions

The GY-HM660 is equipped with a Fujinon wide angle 23x zoom lens that delivers superior low-light performance with brightness at the tele end. The lens offers F1.6-3.0, a focal range of 29mm-667mm (35mm equivalent) and includes servo zoom, manual focus, and iris rings, along with a four-position (clear, 1/4, 1/16 and 1/64) ND filter. Other features include an optical image stabilizer, chromatic aberration correction.

Original Image No Zoom (0X)



14X Optical Zoom



23X Optical Zoom



GY-HM660's long zoom range means that you can get shots not possible with other cameras its size.

## Wi-Fi and Broadband Connectivity, and FTP and Advanced Streaming

The GY-HM660 USB 2.0 host connector supports an optional wired or Wi-Fi network adapter, or a broadband 3G/4G USB Stick. With connection to a LAN, WAN or internet, various wireless communications functions are available. A built-in web interface, allows remote viewing of camera images and wireless remote control when using a smartphone, tablet or PC. Secure File Transfer Protocol (FTP) is also built-in. The GY-HM660 is also capable of live streaming w/advanced Zixi error correction and adaptive bitrate control, SMPTE 2022-1 Forward Error Correction, and RTMP protocol lets you stream content directly to content delivery networks such as USTREAM and YouTube.

## Professional Features & Controls

### New Full HD 1/3-inch CMOS Sensors

Three newly developed CMOS sensors offer an excellent sensitivity of F12 (60Hz) /F13 (50Hz).

### Focus Assist

JVC's patented focus assist system highlights the edges of objects in the image to help the operator keep focus.

### New 0.45-inch 1.22M pixel Color Viewfinder

A New, brighter, high-resolution LCOS viewfinder with a crisp and detailed 16:9 aspect ratio image.

### FALCONBRID High Speed Processor

JVC's high-speed processor for advanced video applications achieves stunning image quality with superior processing power on a single chip.

### Upgraded 3.5-inch 920K pixel LCD Display

The top-mounted position of the high-resolution 3.5-inch LCD monitor is ideal for shooting at various angles in handheld camera applications.

### Fujinon 23x Optical Zoom Lens

Fujinon wide angle 23x zoom lens delivers superior low-light performance.

### Optical Image Stabilizer

The built-in OIS helps to correct lateral and vertical movement of the camera.

### 3.5mm Headphone Jack

IFB return audio channel can provide audio cues to the talent or camera operator via the camera's 3.5mm audio jack. (Available 6/16.)

### Dual SDXC/SDHC Recording

Dual SDHC/SDXC card slots allow HD files to be recorded on one card while creating smaller SD or proxy files simultaneously on the other.

### Network Connectivity for Next-Level Wi-Fi or 4G Functionality

The USB 2.0 host connector supports an optional wired or wireless (Wi-Fi) network adapter, or a broadband 3G/4G USB Stick. Through connection to a LAN, WAN or internet, various wireless communications functions are available. A built-in web interface allows remote viewing of camera images and wireless remote control when using a smartphone, tablet or PC.

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Specifications subject to change.

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