### Specifications

**Recording Formats & Live Signal Outputs**

**DV**
- Video Format: NTSC
- Audio Signal Recording Format: 16-bit (locked audio), 32 kHz PCM for 4 channels

**HDV**
- Video Format: HDV
- Audio Signal Recording Format: 16-bit (locked audio), 48 kHz PCM for 2 channels or 12-bit, 32 kHz PCM for 4 channels

**Component/SDI**
- Output: 0.8 V (p-p), 75 ohms, unbalanced (BNC)

**Composite**
- Output: +4 dBs, 10 kohms, balanced (XLR)

**Audio Inputs**
- Mic: -60 dBs, 3 kohms, balanced (XLR), +48 V output for phantom power supply
- Line: +4 dBs, 10 kohms, balanced (XLR)

**Audio Outputs**
- Earphone Jack: -18 dBs to -60 dBs, 8-ohm impedance (stereo mini-jack x2)
- Audio Outputs: -8 dBs, low impedance, unbalanced (RCA)

**Audio Interfaces**
- Time Code Input: 1.0V-4.0V, high impedance, unbalanced (BNC: switchable from Component/SDI output)
- Component/SDI Input: 2.0V-2.0V, high impedance, unbalanced (BNC)
- Audio Input: 2.0V, high impedance, unbalanced (BNC)

**Electrical**
- Power Consumption: Approx. 24 W (in the Record mode)
- Power Requirement: DC 12 V
- Mass: 3.7 kg (8.3 lbs.) (including viewfinder, microphone and tape)
- Dimensions: 224 (W) x 243 (H) x 401 (D) mm

**Environmental**
- Operating: 0°C to 40°C (32°F to 104°F)
- Storage: -20°C to 60°C (-4°F to 140°F)
- Humidity: 85% RH or less

**Audio**
- Sampling Frequencies: 720/60p: 74.25/1.001 MHz (4:2:2 component), 720/50p: 74.25/1.001 MHz (4:2:2 component)

**Video**
- Video Signal Recording Format: DV format, 8-bit, 25 Mbps
- Compression: DV compression, 4:1:1 (NTSC)

**Gain**
- Values: 0, 3, 6, 9, 12, 15, 18 dB, ALC

**External Sync**
- BB, VBS, signal or HD tri-sync signal

**ND Filter**
- Values: +1/4ND, +1/16ND

**Electronic Shutter**
- Values: Standard value: 59.94 Hz
- Fixed values: 7.5 - 10,000 Hz, 11 steps (HDV HD60P/HDV HD30P; DV 60i mode: 23.976 Hz)

**Electrical Shutter**
- Values: 10,000 Hz (HDV HD50p/HDV HD25p), about 24-10,000 Hz (HDV 24p; DV 24p)

**Supplied Accessories**
- Base x 1, V-wedge tripod adapter (KA-V100) x 1

**Optional Accessories**
- GY-HD250CHU: 1/3" bayonet lens x 1
- CP-231/CP-232: 1/2" and 2/3" Bayonet mount lenses x 1
- RP-9004: 20x Canon zoom lens, a wide variety of zoom and motorized versions, 20x Canon zoom lens, a wide variety of zoom and motorized versions
- RP-9007: 18x Fujinon high-definition zoom lens, 13x Fujinon high-definition zoom lens

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**Camcorder Settings**
- Camera settings recorded on SD card
- 3.5" LCD display panel
- Detachable 230,000-pixel LCD color viewfinder
- Professional function and switch layout

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**Studio and Field Production System**

**GY-HD250U**
- Interchangeable HD lenses
- Built-in MPEG-2 Super Encoder
- 1/3" high-definition CCD image sensors
- 3-CCD camera system with 720p HD CCDs
- Uncompressed progressive 720p/60 live signal output
- HDV recording, 1080/60i, 1080/50i, 720/60p, 720/50p, 720/60p, 720/50p, 720/25p

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**Suppliers**

**Sony Corporation and Victor Company of Japan, Limited (JVC)**

- HDVTM and HDVTM logo are trademarks of Sony Corporation and Victor Company of Japan, Limited (JVC).

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**Dimensions and Weight**

- Dimensions: 224 (W) x 243 (H) x 401 (D) mm
- Weight: 3.7 kg (8.3 lbs.) (including viewfinder, microphone and tape)
Two In One — Studio and ENG, HD or SD Experience Total HD Versatility with the GY-HD250U

The new era of Professional imaging is available and well-prepared for a new generation of ProHD camcorders. With its professional HD/SD capabilities, the GY-HD250U is the optimum choice for a wide range of studio system suitable for an economical HD or SD upgrades. You can build it according to your needs and requirements without any extra effort. It has been designed for use in an versatile HD or SD applications and in a wide range of professional and industrial applications, including sports, events, and other events. It is especially designed for professional use and in the studio. It is easy to use and a compact, durable and secure design that provide excellent results with minimal effort. It is also easy to extend the JVC RM-P210U Camera Adapter, and the new RM-HP250U Camera Remote Unit for the new era of Professional HD/HD imaging.

GY-HD250U EFP/Studio System Configurations

<table>
<thead>
<tr>
<th>Configurations</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Short Length MultiCore Studio Configurations (SD System)</td>
<td>JVC RM-FM25AU</td>
</tr>
<tr>
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<td>JVC RM-P25AU</td>
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<tr>
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</tr>
</tbody>
</table>

Fiber Applications with Camplex CP-301C / with Telecast Copper Head

<table>
<thead>
<tr>
<th>Fiber Applications</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TELECAST FIBER</td>
<td>Medium-length Fiber Cable EFP Configurations (HD System)</td>
</tr>
<tr>
<td>CAMPLEX</td>
<td>Medium-length Fiber Cable EFP Configurations (HD System)</td>
</tr>
</tbody>
</table>

Key features and user benefits:

- It is ideal for both studio and ENG applications.
- It can be operated with cable lengths of up to 2K meters.
- It can be used as an ENG camera by detaching it from the KA-HD250U.
- If you are replacing a GY-DV550U camera system, you can continue to use the RM-P210U CCU, the 26-pin control cable, and the VF-P400U studio viewfinder.
- Your investment is future proofed. Upgrading from an SD to an HD system will require changing the video interface only.
- When replacing a GY-DV550U-based studio system, you can continue to use the original 26-pin control cable and VF-P400U studio viewfinder.
- The new RM-HP250U Camera Remote Unit enables you to connect an additional remote control to the studio system.
- Both HD component and HD-SDI video are supported.

In addition, the GY-HD250U provides the following features:

- Compatibility with a wide range of 2/3" and 1/2" lenses.
- Compact and lightweight design for shoulder-mounted operation.
- Extended battery life for extended shooting.
- Improved image quality due to enhanced HD/SD features.
- Enhanced mobility for ENG applications.
- Enhanced reliability for studio applications.

The GY-HD250U ProHD camcorder offers a comprehensive range of features and benefits, making it an ideal choice for professional imaging applications.
JVC's new GY-HD250U provides an affordable and intelligent design, suitable for both Professional and Industrial applications. Its compact and lightweight design makes it ideal for ENG and other event coverage. The GY-HD250U is ergonomically designed to provide excellent mobility and minimal fatigue during extended use.

Key Features:
- Full-raster progressive HD and ENG applications
- Two In One — Studio and ENG, HD or SD
- Fiber Applications with Camplex CP-301C / with Telecast Copper Head
- Fiber Configurations
- Short Length Multi Core Studio Configurations (HD System)
- Tripod
- Camera Control Unit
- Viewfinder cable adapter
- Zoom and Focus control kit
- Return video capability
- Viewfinder
- Flexible operation with cable lengths of up to 2K meters.
- CAMPLEX's (CP-301C and CP-701C) CCUs provide an economical medium cable length (up to 900m) solution.
- Return video capability is available with the KA-R25U adapter.
- The camera adapter's light weight allows for shoulder-mounted operation with minimal operator fatigue.
- Short Length Multi Core Studio Configurations (SD System)
- Tripod
- Camera Control Unit
- Viewfinder cable adapter
- Zoom and Focus control kit
- Return video capability
- Viewfinder
- Flexible operation with cable lengths of up to 2K meters.
- CAMPLEX's (CP-301C and CP-701C) CCUs provide an economical medium cable length (up to 900m) solution.
- Return video capability is available with the KA-R25U adapter.
- The camera adapter's light weight allows for shoulder-mounted operation with minimal operator fatigue.

- Short Length Multi Core Studio Configurations (HD System)
- Tripod
- Camera Control Unit
- Viewfinder cable adapter
- Zoom and Focus control kit
- Return video capability
- Viewfinder
- Flexible operation with cable lengths of up to 2K meters.
- CAMPLEX's (CP-301C and CP-701C) CCUs provide an economical medium cable length (up to 900m) solution.
- Return video capability is available with the KA-R25U adapter.
- The camera adapter's light weight allows for shoulder-mounted operation with minimal operator fatigue.

- Short Length Multi Core Studio Configurations (SD System)
- Tripod
- Camera Control Unit
- Viewfinder cable adapter
- Zoom and Focus control kit
- Return video capability
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- Flexible operation with cable lengths of up to 2K meters.
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- The camera adapter's light weight allows for shoulder-mounted operation with minimal operator fatigue.
Full HD imaging.

Extended shooting.

With minimal fatigue during.

Mounted design that.

ProHD camcorders feature.

Ergonomically designed to.

Concerts and other events.

Professional and industrial.

Studio system suitable for.

An economical HD or SD.

Upgrades. You can build.

No need for cable or other.

Existing system with.

You connect with your.

Providing a backward.

High-definition.

1080i, the GY-HD250U.

Delivers outstanding.

Key features and user benefits:

• A live 720P or 1080i signal can be output according to the requirements of your studio application.

• The new RM-HP250AU enables you to connect an additional remote control to the studio system.

• Both HD component and HD-SDI video are supported.

• The GY-HD250U with KA-HD250U can be used to construct an economical HD studio system that produces stunning images.

Key features and user benefits:

• Sled-mounted configuration provides reliable long cable length CCU camera operation.

• CAMPLEX produces an economical hybrid cable that enables connected CCUs to interoperate with the GY-HD250U. Their system consists of a.

• CAMPLEX's (CP-301C and CP-701C) CCUs provide an economical medium cable length (up to 900m) solution.

• Return video capability is available with the KA-R25U adapter.

GYHD250U EFP/Studio System Configurations

JVC RM-PMDH

Short Length Multicore Studio Configurations (SD System)

HTa18x4.2BERM

Zoom and Focus control kit

MS-11

HZFM500

HZFM13U

26-pin Multicore cable

VC-P1XXU

Canon and Fujinon

Zoom Control for

HTa18x4.2BRM/BERM

HZFM500

HZFM13U

CABLEX CABLING Camplex interface cable

CT-V24L1DU 24-inch HD-SDI studio monitor

HZ-ZS13U Manual zoom control

HZFM500 Manual focus control

TRIPOD Tripod head

POWER PLUS Telecast fiber power

KA-P250U Power cable

VR70P-JVC 7” studio monitor

BASE STATION Telecast base station

BASE STATION RX/TX Camplex control unit

JVC RM-HP250AU

Short Length Multi Core Studio Configurations (HD System)

HTa18x4.2BERM

Zoom and Focus control kit

MS-11

HZFM500

HZFM13U

26-pin Multicore cable

VC-P1XXU

Canon and Fujinon

Zoom Control for

HTa18x4.2BRM/BERM

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Fiber Applications with Camplex CP-301C / with Telecast Copper Head

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TELECAST FIBER Long-length Fiber Cable EFP Configurations (HD System)

CABLEX CABLING Camplex interface cable

CT-V24L1DU 24-inch HD-SDI studio monitor

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POWER PLUS Telecast fiber power

KA-P250U Power cable

VR70P-JVC 7” studio monitor

BASE STATION Telecast base station

BASE STATION RX/TX Camplex control unit

• When required, you can use the GY-HD250U as an ENG camera.

• An existing 26-Pin Sony Multicore Cable can be used to connect RM-HP250AU and KA-HD250U.

• If you're replacing a GY-DV550U camera system, you can continue to use the RM-P210U CCU, the 26-pin control cable, and the VF-P400U.

• Your investment is future proofed. Upgrading from an SD to an HD system will require changing the video interface only.
**Specifications**

**Connectors**

- Component output
- Composite output
- HD-SDI output: 0.8 V (p-p), 75 ohms, unbalanced (BNC)
- HD/SD SDI output: 0.8 V (p-p), 75 ohms, unbalanced (BNC)
- Remote connector: DIN 6-pin
- Audio outputs: -8 dBs, low impedance, unbalanced (RCA)
- Audio inputs: +4 dBs, 10 kohms, balanced (XLR)
- Time code input: 1.0V-4.0V, high impedance, unbalanced (BNC: switchable from Line: +4 dBs, 10 kohms, balanced (XLR))
- Genlock input
- Viewfinder x 1, Lens (Th16x5.5BRM) x 1, Microphone x 1, SD memory card x 1, Tripod base x 1, V-wedge tripod adapter (KA-V100) x 1

**Video signal recording format:**
- HD1 format, 8-bit, 19.7 Mbps

**Audio signal recording format:**
- 16-bit (locked audio), 48 kHz PCM for 2 channels or 4 channels
- Balanced XLR connectors to connect to external audio equipment (such as an audio mixer)

**Electronic shutter:**
- Variable scan: about 60 to 10,000Hz (HDV HD60p/HDV HD30p; DV 60i mode: about 50 to 6.25-10,000 Hz 11 steps (HDV HD50p/HDV HD25p: 6-10,000Hz, 12 steps (HDV HD30p/HDV HD15p: 7.5-10,000 Hz, 11 steps (HDV HD60P/HDV HD30p; DV 60i mode: 5-10,000Hz, 12 steps (HDV HD30p/HDV HD15p: 7.5-10,000 Hz, 11 steps

**Temperature:**
- Operating: 0°C to 40°C (32°F to 104°F)
- Storage: -20°C to 60°C (-4°F° to 140°F)

**Humidity:**
- Operating: 30% to 85% RH or less
- Storage: 85% RH or less

**Power consumption:**
- Approx. 24 W (in the Record mode)

**Power requirement:**
- DC 12 V

**Mass:**
- 3.7 kg (8.3 lbs.) (including viewfinder, microphone and tape)

**E&O.E. Design and specifications subject to change without notice.**

**Simulated pictures.**
<table>
<thead>
<tr>
<th><strong>Specifications</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>[DV]</strong></td>
<td></td>
</tr>
<tr>
<td>Video signal recording format: DV format, 8-bit, 25 Mbps</td>
<td></td>
</tr>
<tr>
<td>Compression: DV compression, 4:1:1 (NTSC)</td>
<td></td>
</tr>
<tr>
<td>Video signal: 1080/60i, 720/50p, 720/60p, 480/24p</td>
<td></td>
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<tr>
<td>Audio signal: 8-bit, 32 kHz PCM for 4 channels</td>
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<tr>
<td>Record/play time: 63 minutes (with an M-DV63PROHD tape)</td>
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<tr>
<td><strong>[HDV]</strong></td>
<td></td>
</tr>
<tr>
<td>Video signal: 1080/50i, 1080/60i, 720/25p, 720/30p, 720/60p, 720/24p</td>
<td></td>
</tr>
<tr>
<td>Audio signal: -8 dBs, low impedance, unbalanced (RCA)</td>
<td></td>
</tr>
<tr>
<td>Audio outputs: -8 dBs, low impedance, unbalanced (RCA)</td>
<td></td>
</tr>
<tr>
<td>Time code output: 1.0V-4.0V, low impedance, unbalanced (BNC: switchable from time code output)</td>
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</tr>
<tr>
<td>Line: +4 dBs, 10 kohms, balanced (XLR)</td>
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<tr>
<td>Earphone jack: -18 dBs to -60 dBs, 8-ohm impedance (stereo mini-jack x2)</td>
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</tr>
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<td><strong>[Connectors]</strong></td>
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<tr>
<td><strong>[Accessories provided]</strong></td>
<td></td>
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<tr>
<td>Studio and Field Production System</td>
<td></td>
</tr>
<tr>
<td>GY-HD250U</td>
<td></td>
</tr>
<tr>
<td><strong>[Features]</strong></td>
<td></td>
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<tr>
<td>- 3.5&quot; LCD display panel</td>
<td></td>
</tr>
<tr>
<td>- Detachable 230,000-pixel LCD color viewfinder</td>
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</tr>
<tr>
<td>- Professional function and switch layout</td>
<td></td>
</tr>
<tr>
<td><em>NOTE: The gauge and length of the existing SD-SDI cabling will determine if it can be used.</em></td>
<td></td>
</tr>
<tr>
<td>- IEEE 1394 interface/HD-SDI output</td>
<td></td>
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<tr>
<td>- Component/SDI out (EE out)</td>
<td></td>
</tr>
<tr>
<td>- Built-in MPEG-2 Super Encoder</td>
<td></td>
</tr>
<tr>
<td>- The GY-HD250U camcorder has genlock input capability for archiving and live transmission. There's also an HD-SDI output of encoded signals to NLE systems, storage devices and microwave systems for capturing, editing, and switchers. In addition, H Phase (HD/SD) and SC Phase (SD only) can also be adjusted.</td>
<td></td>
</tr>
<tr>
<td>- The GY-HD250U is capable of delivering a broadcast quality full HD picture on the air at 1080/50p, 1080/60i, 720/50p, 720/60p, 480/60i (24p) shooting possible. BB or VBS signals (SD) and HD tri-level sync signals are supported.</td>
<td></td>
</tr>
<tr>
<td>- The GY-HD250U Key Features:</td>
<td></td>
</tr>
<tr>
<td>- Variable scan: about 60 to 10,000Hz (HDV HD60p/HDV HD30p; DV60i/720/60p/50p)</td>
<td></td>
</tr>
<tr>
<td>- Conversion: about 24-10,000Hz (HDV 24p;DV24p)</td>
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</tr>
<tr>
<td>- 6.25-10,000 Hz 11 steps (HDV HD50p/HDV HD25p: 6-10,000Hz, 12 steps)</td>
<td></td>
</tr>
<tr>
<td>- Operating temperature: 30% to 80% RH</td>
<td></td>
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<tr>
<td>- Storage temperature: 85% RH or less</td>
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<tr>
<td>- Power consumption: Approx. 24 W (in the Record mode)</td>
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<tr>
<td>- Dimensions: 224 (W) x 243 (H) x 401 (D) mm</td>
<td></td>
</tr>
<tr>
<td>- Weight: 5.77 kg (12.74 lb)</td>
<td></td>
</tr>
</tbody>
</table>

**JVC**

Studio and Field Production System

GYH250U

The Perfect Experience

JVC

HDV

720p/24, 30, 60

DISTRIBUTED BY

CableNEW

Simulated pictures.

JQA-0288

KCS-8389 CEHD250NKN0705B

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* DTETM (Direct to EditTM)

* DVCAM is a registered trademark of Sony Corporation.

* is a trademark or registered trademark of Focus Enhancements.