JVC ProHD —
Defining the future of professional video

With the introduction of JVC’s ProHD, the promise of digital technology has finally been fulfilled. Equipped with robust professional features, yet surprisingly affordable and remarkably compact, ProHD delivers a complete high-definition solution that has been designed to meet the needs of today’s most demanding professionals, while retaining the ability to adapt to future requirements. Since 1996, JVC has continued to develop and diversify its digital video offerings in response to the rapidly changing environment of visual communications and production. JVC continues to evolve its digital cameras and recorders with ground-breaking features and varied storage options, including full-size DV tape and Hard Disk Drives.

Since 1996, JVC has continued to develop and diversify its digital video offerings in response to the rapidly changing environment of visual communications and production. JVC continues to evolve its digital cameras and recorders with ground-breaking features and varied storage options, including full-size DV tape and Hard Disk Drives.

Now with the production and delivery of video content shifting to high definition, JVC has combined its expertise in camera, encoding and storage technologies to create an advanced yet affordable HD solution. JVC’s ProHD system, adopting the 720p format, utilizes widely available nonproprietary technologies such as MPEG-2 compression, DV recording media and conventional hard disk drives. Based on input from industry principals and leading end users, JVC has developed a system with the most sought-after professional features and performance.

Noteworthy ProHD features include full HD progressive image scanning, true 24p frame capture, and a dual recording system using tape & HDD. As ProHD evolves, JVC will continue to pursue the optimal method of storage media for our professional video products.

The latest addition to the ProHD system is the GY-HD250, a compact studio-capable shoulder camcorder featuring full-frame 60p recording for smooth, continuous images.

Designed and built for professionals, ProHD is the fulfillment of the digital promise, offering true high definition performance in a compact, affordable system.
ProHD — Concept of JVC’s Affordable HD Solution

1. Full Progressive Scanning (720p)
   Leading industry professionals told us that they wanted a full-frame progressive scanning system that would shoot and record the highest quality continuous moving images. ProHD uses the 720/60p progressive format and produces crisp, native HD images which perfectly match today’s digital displays and which can be converted easily, without degradation, to interlaced scanning pictures.

2. Time Code
   As a professional system, ProHD products include the facility to record and display timecode. Convenient menu operation makes it easy to preset time code at the beginning of a tape. Simply select REC RUN or re-generation mode. User bits are also available.

3. Highly efficient video compression
   To provide the highest quality HD recording, JVC uses the broadcast industry standard MPEG-2 Main Profile at H-14. Offering far greater efficiency than frame-bound systems, ProHD records at data rates at or above commercial broadcast rates. Recent advancements in non-linear editing have made it possible to edit ProHD on virtually all popular non-linear editing systems. Direct digital transfers via IEEE 1394 ensure the quality is maintained throughout the transfer process.

4. Dual recording system
   Designed to utilize both DV tape and hard disk drives, ProHD offers the ultimate in media versatility, maximizing productivity with efficient, economical editing and low-cost archiving. Now you can safely archive the original tape cassette and then plug the hard disk straight into your NLE. Editing can start right away — no need to make dubs or transfer data.

5. Real 24p
   With ProHD, the dream of creating HD video with the essence of film has at last been realized. By capturing and recording at the film frame rate of 24fps, and offering extensive user-configurable settings such as exposure, gamma and detail, ProHD becomes an important tool for creative expression. For the ultimate form of display on the cinema screen, 24 frame progressive recordings can be readily transferred to 16 mm or 35 mm film. The optional HZ-CA13U Film Lens Adapter further empowers digital filmmakers by enabling the use of 16mm film mount.
Advantages of ProHD

1. HD Progressive (720/60p) format for high quality moving pictures and digital stills

- **Progressive scanning**
  JVC’s ProHD products use the same progressive scanning system used in high-end HDTV cameras. Because the GY-HD250 uses a full-frame (60p) progressive scanning system, it has the unique ability to capture and store full frames of image information. An added bonus of progressive scanning is that it is a very simple process to convert a progressive image to interlaced, whereas the opposite is not the case. When progressive recordings are paused or played in slow motion, each individual frame contains the full detail of the original image — excellent for viewing and analyzing motion. Stills and prints captured from HD progressive video avoid the distortion typically resulting from the combining of two different frames of interlaced video. In addition, today’s flat panel television displays and fixed matrix projectors, such as D-ILA, DLP and LCD, are all native progressive scanning systems. This means that JVC’s progressive HDV recordings can be displayed without imperfection, because they do not need to pass through the degenerative process of de-interlacing prior to being displayed.

- **DV compatibility**
  The GY-HD250 uses the same recording track pitch (10 µm) as Professional DV, meaning that ProHD also offers track pitch compatibility with the DV format and the same recording time. This remarkable HD recording capability was achieved by developing a new high-power MPEG codec system capable of maintaining high-definition picture quality, while compressing the data to 19.7 Mbps bit rate. With its superior resolution and advanced processing, ProHD delivers top performance in both its native 16:9 HD mode and in the SD mode. The facility to make recordings in either HD or SD makes ProHD the ideal choice for professionals not quite ready to make the full transition to HD.

2. True 24p frame capture

24p Progressive Full HD images are ideal for cinematic applications. From shooting to editing and distribution, an HD system can be established for film-like productions. Unlike 24p images in standard definition, when real 24p HD video is down-converted to SD, the result is truly film-like DVDs. The camcorder itself, with its video lens removed and replaced by a film lens converter system, such as the Mini 35 from P & S Technik, effectively becomes a digital film camera.

3. JVC’s dual recording system

The optional JVC Hard Disk Recorder DR-HD100 creates a dual recording system of tape and hard disk. This system is already utilized by Professional DV users the world over. The many advantages inherent in JVC’s dual recording system of tape & hard disk drive are well appreciated. It was only natural that JVC’s range of ProHD models would include a Hard Disk Drive recorder and one that can operate equally in DV and HDV modes. The dual recording system provides fast and efficient HDD-based editing and cost-effective archiving, using low-cost tapes. Thanks to the newly developed MPEG-2 encoding IC, high-quality pictures can be recorded on readily available compact DV cassettes, so running costs are minimized as no special equipment or exclusive media are required. The DR-HD100 will also be able to record in the QuickTime .mov file format enabling Direct-To-Edit (DTE) capability with compatible non-linear editing systems. The DR-HD100 can be mounted at the rear of the camcorder, through the use of an optional bracket which is offered by the leading battery systems manufacturers.

The GY-HD250, fitted with Mini 35 film adapter from P & S Technik, becomes an ideal digital film camera.
GY-HD250 ProHD Compact Shoulder Camcorder

Professional ProHD camcorder with super-smooth 720/60p imaging for ENG and sports acquisition, plus a 26-pin connector for studio use.

With 720/60p capture and recording capabilities, the GY-HD250 delivers full-resolution HD images, ensuring the high resolution and smooth motion critical to news and sports field production. Equally proficient in the studio, the GY-HD250 can easily be converted for studio use with the optional KA-HD250, a specially designed studio adapter incorporating an industry-standard 26-pin multi-core connection. Other valuable features of this versatile camcorder include genlock capability, component and HD-SDI output, a wide selection of HD lenses, enhanced cinema gamma, external time code synchronization and professional connectors on a rugged die cast chassis.

From live field recording to high-end studio production, the GY-HD250 is the cost-effective solution to today’s demand for high-quality imaging.

Optimised picture quality from innovative JVC technology within GY-HD200B/250

- **14-bit A/D converter**
  To improve both the S/N ratio and the horizontal resolution, a new 14-bit A/D converter was specially developed by JVC to prevent signal deterioration and to generate a fourfold increase in gradations.

- **Wideband front end processing**
  The ProHD camcorder uses a wideband analogue front end to process its CCD sampling via the 14-bit A/D converter. This further improves the S/N ratio and horizontal resolution by optimising the CCD drive circuitry. The new LVDS (Low Voltage Differential Signal) interface minimises any other possible signal degradation and so contributes to the improved S/N ratio.

- **Newly-developed pixel converter**
  To enable 720p/50 recording, a new super encoder and a new pixel converter were developed, incorporating an adaptive filter which optimises the scalar performance of cross-converted signals, including 1080i. The resultant effects are increased resolution and reduced aliasing. Objects thus have much more natural looking edges and images are therefore extremely lifelike in appearance.
GY-HD250 ProHD Compact Shoulder Camcorder

Professional specifications

True 24p recording
The GY-HD250 is a professional high-definition camcorder featuring real HD 24p recording capability — previously available on only the most expensive HD cameras. Ideal for DVD production, HD progressive 24-frame-per-second recording makes it possible to shoot images with film-like quality and smooth motion. Once recorded, those images can easily be transferred without frame rate conversion to 16 mm or 35 mm film with full HD fidelity.

ProHD’s outstanding image quality is supported by a wide range of powerful features including an image inverse function that cancels image reversal (reversal of top/bottom and left/right) and a Film out mode function that automatically adjusts the gamma curve and color matrix to give images a filmic look.

Three preset gammas (Standard, Cinema for a film-like setting and Film out for the optimal imagery of a film camera) are available to choose from depending on the purpose. Combined, these features make this camcorder ideal for digital film productions.

Interchangeable HD lenses
The GY-HD250 features a standard professional 1/3” bayonet lens mount, giving you the ability to use a variety of other professional HD lenses. In addition to the standard detachable 16x servo Fujinon lens, a wide range of options are available, including a 13x (3.5 mm) wide zoom lens, 18x Fujinon zoom lens, 20x Canon zoom lens, a wide angle converter for the standard 16x lens, and adapters that allow 1/2” and 2/3” bayonet mount lenses to be used.

And when you add film lens mount adapter to the 1/3” bayonet mount, you can even mount 16mm film camera lenses on the GY-HD250, greatly expanding your production lens options.

3-CCD camera system with 720p HD CCDs
The GY-HD250 uses three 1/3” high definition CCD image sensors. Each array has a pixel resolution of 1280 x 720 and uses a micro lens system. Since this native resolution matches that of most HDTV displays, the need for image scaling is eliminated, further enhancing the quality of the recorded images. Other advantages of these CCDs include sophisticated circuitry that virtually eliminates lag and image burn.

Uncompressed 720/60p live signal output
In addition to providing superior quality HD recording in the HDV format, the GY-HD250 can capture and output both digital and analog HD signals at 60 frames per second. Ideal for live broadcasting, the uncompressed full-resolution signal (either 720p or converted 1080i/60) can be output via the built-in HD-SDI and component analog terminals, providing an ideal feed to a video server, HD switcher or microwave link.
Professional functions

Compact shoulder mount design
JVC’s ProHD camcorders are the only professional HD camcorders to feature a compact shoulder mount design. Like its predecessors, the GY-HD250 offers excellent mobility and enhanced usability, while its flexible range of ergonomic adjustments ensures that camera operators, regardless of stature or physique, can support the camcorder steadily and, above all, comfortably.

Professional functions and switch layout
In addition to the Full Auto Shooting to handle difficult or variable lighting environments, the GY-HD250 is equipped with an array of functions that give professionals creative flexibility. These include, amongst others, zebra, gain, white balance and full shutter control. Also, the GY-HD250’s switches have been positioned where professional camera operators can expect them. This helps make shooting more intuitive, precise, easy, and error-free, because the learning process is minimized dramatically, making the GY-HD250 the ideal camera for any assignment.

Detachachable 230,000-pixel LCD color viewfinder
The viewfinder’s eyepiece can be moved backwards and forwards and can also be adjusted laterally for left or right eye shooting, enabling it to fit the operator comfortably. JVC’s own proprietary and patented Focus Assist control ensures fast and easy focusing. To make focusing even easier, a black and white mode is available. Stronger contrast and reduced color noise make visualization and composition easier.

3.5” LCD display panel
This 250,000-pixel 3.5” color TFT LCD monitor provides a high-resolution image during shooting and playback. JVC’s own developed Focus Assist control (see this page) ensures fast and easy focusing. A push button selects three display modes:
1. Video only
2. Video images with text information overlay including time, status, mode and other data are shown on the screen.
3. Only information such as time, status, mode, time code, audio levels and other data is shown on the screen. When the LCD display panel is in this mode, the viewfinder can also be used.

Various audio-related functions
When color bars are output, an audio reference level (test tone) can also be output if required. This is set via the menu. The audio reference level can be set at -12 dB or -20 dB as required. To minimize extraneous noise picked up by the microphone, a “wind cut” function is provided.

Genlock
This camcorder has genlock input capability for synchronization and time code input/output, making multi-camera shooting possible. For synchronization, BB or VBS signals (SD) and HD tri-level sync signals (HD) are available to lock to various components, including external audio recorders, other cameras and switchers. In addition, H Phase (HD/SD) and SC Phase (SD only) can be adjusted.
Versatility and flexibility

Camera settings recorded on SD card
Customized settings can be stored on a standard SD memory card and loaded into another GY-HD250 or changed on site, as required.

IEEE 1394 interface/HD-SDI output interface
A convenient IEEE 1394 interface allows easy direct connection to NLE systems or to a PC for capturing, editing and archiving. An HD-SDI (High Definition Serial Digital Interface) is also provided to enable transmission of uncompressed digital HD signals via coaxial cable. Since the HD-SDI interface can use existing SDI (Serial Digital Interface) cabling, configuring studio applications is greatly simplified.

User-friendly design

Universal ergonomic design
The GY-HD250 has multiple adjustments to provide a comfortable positioning of the camera, such as a shoulder pad that can be moved back and forth, a viewfinder with an eyepiece that can be adjusted left and right as well as back and forth, and a padded audio monitor that adjusts up and down.

Patented "FOCUS ASSIST" function
A JVC-patented feature, Focus Assist, turns focusing into an easy, fast and accurate process. When Focus Assist is activated, the picture in the viewfinder becomes monochrome and all objects which are in focus take on a color fringe. In addition to the factory default Middle position, Low and High positions are available. In the Low position, you can limit the area in focus for more precise focusing. This is particularly helpful when using the technique of pulling focus. Focus Assist works equally in the 0.44" viewfinder and the 3.5" LCD panel. There are two Focus Assist buttons, one for each of handheld and shoulder operation.

DR-HD100 Hard Disk Drive incorporating the latest DTE (Direct to Edit™) technology

Interface to GY-HD250 camcorder
The DR-HD100 has been designed specifically to interface with the GY-HD250 camcorder via IEEE 1394. Interlocked to the camcorder’s record trigger, HD and SD images can be recorded together with audio and time code. It can be powered by either a built-in rechargeable or external battery. The DR-HD100 is supplied with its own cradle, from which it can be detached easily. Optional powered by either a built-in rechargeable or external battery. The DR-HD100 is supplied with its own cradle, from which it can be detached easily. Optional brackets are available for mounting the HDD recorder to the rear of the camcorder.

Compatibility with NLE systems for HDV and DV editing
DTE™ technology permits the DR-HD100 recordings in HDV and DV to be set to the NLE’s native file format. This means that no time is lost due to the lengthy processes of file transfer and conversion. The DR-HD100 can be used with most popular editing applications from Adobe, Apple, Avid, Canopus and many more*. As new application support is released, the DR-HD100 can be updated in the field with new system software easily by connecting the disk drive to a computer.

BR-HD50 ProHD Recorder/Player

- HDV recording
- Multi-format output and cross-converter function
- HDV 60Hz and 50Hz compatibility
- Standard DV & MiniDV compatible mechanism
- DVCAM playback capability
- Auto error correction system
- Sweep heads
- HDMI OUT
- RS-422A interface
- IEEE 1394 interface
- Versatile analogue connectors

Shutter angle display mode
In addition to the conventional second-unit indication for shutter values, a shutter angle display mode is available. This makes it easy for all users — including those more familiar with film cameras — to set the shutter value.

Connect to optional external HDD
The camcorder has a hard disk drive accessory option, DR-HD100, which connects via the IEEE 1394 port, allowing footage to be edited immediately without having to wait for data to be transferred.

Other features
- Two XLR audio inputs
- Full Auto Shooting
- Adjustable color matrix
- LCD mirror mode
- Two-mode composite out
- Color bars
- Front and rear mounting fixtures for tripod plate

DR-HD100 Hard Disk Drive incorporating the latest DTE (Direct to Edit™) technology

Integrated with camcorder and disk drive operation
Attached with the GY-HD250, the DR-HD100’s record and record/pause functions are controlled from the camcorder. Time code generated by the camcorder is recorded to files on the DR-HD100, and recorder status and other information can appear in both the viewfinder or LCD display.

Long record times
This hard disk drive option extends uninterrupted record time by many hours. For example, a 100GB FireWire drive can store 8 hours of DV video and 10 hours of HDV video. It is also possible to daisy chain up to four external drives of different capacities to the DR-HD100, enabling uninterrupted recording of extremely long duration.

LCD display and playback modes
The DR-HD100 features a detailed LCD that displays the system mode, time code and disk space remaining. Video clips can be reviewed in the viewfinder, LCD panel or external monitor, by using DR-HD100’s playback mode. Functions include record, play, pause, stop, forward index, back index and multi speed fast forward and rewind.

Patent "FOCUS ASSIST" function
A JVC-patented feature, Focus Assist, turns focusing into an easy, fast and accurate process. When Focus Assist is activated, the picture in the viewfinder becomes monochrome and all objects which are in focus take on a color fringe. In addition to the factory default Middle position, Low and High positions are available. In the Low position, you can limit the area in focus for more precise focusing. This is particularly helpful when using the technique of pulling focus. Focus Assist works equally in the 0.44" viewfinder and the 3.5" LCD panel. There are two Focus Assist buttons, one for each of handheld and shoulder operation.
Options and related equipment

**CAMCORDER OPTIONS**

1/2" High quality zoom lens
- HTs18x4.2BRM
- HTs18x4.2BRM (x 2 extender)

1/3" Wide zoom lens
- Th13x3.5BRM

1/3" Zoom lens
- Th17x5BRM

1/3" MD Zoom lens
- Th17x5BMD

1/3" High quality zoom lens
- KT20x5BKRS

2/3" Bayonet mount converter
- ACM-17

1/2" Bayonet mount converter
- ACM-12

Wide converter
- WCV-82SC

16mm film lens adapter
- HZ-CA13U

Studio adapter
- KA-HD250U

Anton Bauer battery
- Dionic 90
- Tandem (Adapter)

IDX Y-mount battery
- VL-PLUS (Charger)
- Endura E-7S (Battery)
- P-V2 (Bracket)

Microphone
- MV-P615U

4.4" LCD monitor
- VF-HP940U

3" LCD monitor
- VF-P400U

Camera control unit
- RM-HP505AU (SD/HD)
- RM-P210U (SD only)

Remote control unit
- RM-LP55U
- RM-LP57U

Remote control unit
- RM-LP55U
- RM-LP57U

Manual zoom control
- VL-2PLUS
- Endura E-7S
- P-V2

Manual focus control
- HZ-Z51BU
- HZ-Z5100U

ProHD TAPES
- M-DV63PROHD

HARD DISK DRIVES
- M-DV12CL

PROHD tapes (miniDV size)
- M-DV12CL

MiniDV cleaning tape
- M-DV12CL

MONITORS
- VF-HP940U
- VF-P400U

CRT HDTV monitor
- DT-V1170CG (17"
- DT-V100CG (10"

16mm film lens adapter
- HZ-CA13U

ProHD recorder
- BR-HD50U

HARD DISK DRIVES
- M-DV63PROHD

HARD DISK DRIVE (miniDV size)
- M-DV12CL

MINI DV cleaning tape
- M-DV12CL

DIMENSIONS

Unit: inches (mm)

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width</td>
<td>11-3/4 (297)</td>
</tr>
<tr>
<td>Height</td>
<td>9-1/2 (241)</td>
</tr>
<tr>
<td>Depth</td>
<td>7-3/4 (200)</td>
</tr>
<tr>
<td>Weight</td>
<td>12-1/2 (320)</td>
</tr>
</tbody>
</table>

*Dimensions are approximate and may vary.*
Diverse capabilities for a wide range of applications

**Studio production**

By combining the GY-HD250 with the KA-HD250 adapter, you can create a studio system with camera control and tally/intercom bi-directional communication via 26-pin multi-core cable. For video/audio transmission, the HD/SD SDI allows long-distance digital transmission at 1.5 Gbps with minimal degradation via a separate coaxial cable.

**Live HD recording**

With 720/60p acquisition capability, you can record smooth, full-frame high-quality images. Also, with genlock input and time code input/output, multi-camera shooting is possible. When the GY-HD250 is combined with the DR-HD100, high-quality hybrid (HDD and tape) ENG is possible.

**HD cinematography**

In addition to the 720p 24p, advanced cinema/film out gamma is provided, allowing you to capture images with a more film-like appearance. With the optional film lens mount adapter optimized for 16mm film lenses, you can mount a prime lens with a PL (precision lock) mount, creating an ideal economical digital cinematography system. The image inverse function capability of the GY-HD250 enables images to be recorded in the proper proportion.
### Specifications

#### GY-HD250U

**[General]**
- Power requirement: DC 12 V
- Power consumption: Approx. 24 W (in the Record mode)
- Dimensions: 224 (W) x 243 (H) x 401 (D) mm (8-13/16" x 9-1/2" x 15-3/4"")
- Mass: 3.7 kg (8.3 lbs.) (including viewfinder, microphone and tape)
- Temperature: Operating: 0°C to 40°C (32°F to 104°F)
- Humidity: Operating: 30% to 80% RH
- Operating: 85% RH or less

**[Camera section]**
- Image pickup device: 1/3" interline-transfer CCDs
- Color separation optical system: F1.4, 3-color separation prism
- Number of pixels: Total: Approx. 1,110,000 pixels
- Color bars: HD: SMPTE color bars
- Sync system: Internal sync (built-in SSG)
- NTSC: SMPTE type color bars
- Color bars: HD: SMPTE HDTV color bars
- Number of pixels: Total: Approx. 1,110,000 pixels
- Color separation optical system: F1.4, 3-color separation prism

**[VTR section]**
- Analog component output: 1.0 V (p-p), 75 ohms, unbalanced (BNC)
- SD-SDI: SMPTE292M/299M standard (embedded audio)
- HD-SDI: SMPTE259M/250M standard (embedded audio)
- Analog composite output: 1.0 V (p-p), 75 ohms, unbalanced (BNC)
- Audio inputs:
  - Mic: 60 dB, 3 ohms, balanced (LR), +48 V output for phantom power supply
  - Line: +4 dB, +10 ohms, balanced (LR)
- Audio outputs:
  - 8 dB, low impedance, unbalanced (RCA)
  - Line output: 50 dB, low impedance, unbalanced (RCA)
- Time code input: 1.0 V, +4.45 V, high impedance, unbalanced (BNC, switchable from component output)
- Time code output: 1.0 V, 4.05 V, low impedance, unbalanced (BNC, switchable from component output)
- EIE1394 connector: 6-pin
- Remote connector: DIN 6-pin

**[Accessories provided]**
- 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
- Remote control x 1
- Base x 1

**[VTR section]***
- Recording format: 720/24p, 720/25p, 720/30p, 720/50p, 720/60p, 480/24p, 480/60i
- Video signal recording format: HDV, DV
- Audio signal recording format: MPEG1 Audio Layer II
- Compression: 4:1:1 (NTSC)
- Video signal recording format: HDV, DV
- Audio outputs: -8 dBs, low impedance, unbalanced (RCA)
- Mic: -60 dBs, 3 kohms, balanced (XLR), +48 V output for phantom power supply

**[Specifications]***
- Power consumption: Approx. 24 W (in the Record mode)
- Dimensions: 224 (W) x 243 (H) x 401 (D) mm (8-13/16" x 9-1/2" x 15-3/4"")
- Mass: 3.7 kg (8.3 lbs.) (including viewfinder, microphone and tape)
- Temperature: Operating: 0°C to 40°C (32°F to 104°F)
- Humidity: Operating: 30% to 80% RH
- Operating: 85% RH or less

### Recording Formats & Signal Outputs

<table>
<thead>
<tr>
<th>Format</th>
<th>HDV</th>
<th>DV</th>
</tr>
</thead>
<tbody>
<tr>
<td>REC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OUT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Component/SDI out (DB out)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Composite out</td>
<td></td>
<td></td>
</tr>
<tr>
<td>720/24p</td>
<td></td>
<td></td>
</tr>
<tr>
<td>720/25p</td>
<td></td>
<td></td>
</tr>
<tr>
<td>720/30p</td>
<td></td>
<td></td>
</tr>
<tr>
<td>720/50i</td>
<td></td>
<td></td>
</tr>
<tr>
<td>720/60p</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1080/50i</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1080/60i</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1080/50p</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1080/60p</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Format</th>
<th>HDV</th>
<th>DV</th>
</tr>
</thead>
<tbody>
<tr>
<td>REC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OUT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Component/SDI out (DB out)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Composite out</td>
<td></td>
<td></td>
</tr>
<tr>
<td>720/24p</td>
<td></td>
<td></td>
</tr>
<tr>
<td>720/25p</td>
<td></td>
<td></td>
</tr>
<tr>
<td>720/30p</td>
<td></td>
<td></td>
</tr>
<tr>
<td>720/50i</td>
<td></td>
<td></td>
</tr>
<tr>
<td>720/60p</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1080/50i</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1080/60i</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1080/50p</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1080/60p</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Analog component output:
- Y: 1.0 V (p-p), 75 ohms, unbalanced (BNC)
- R-Y/B-Y: 0.7 V (p-p), 75 ohms, unbalanced (BNC)
- Analog composite input: 1.0 V (p-p), 75 ohms, unbalanced (BNC)

### Camera section
- Electronic shutter: 0, 3, 6, 9, 12, 15, 18 dB, ALC
- External sync: BB, VBS, signal or HD tri-sync signal
- Sync system: Internal sync (built-in SSG)

### Accessories provided
- 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
- Remote control x 1
- Base x 1

---

*HDVTM and HDVTM logo are trademarks of Sony Corporation and Victor Company of Japan, Limited (JVC).
Product and company names mentioned here are trademarks or registered trademarks of their respective owners.
*DTETM (Direct to EditTM)
DVCAMTM is a registered trademark of Sony Corporation.

---

**Simulated pictures.**

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

---

**JVC** is the trademark or registered trademark of Victor Company of Japan, Limited.

---

**DISTRIBUTED BY**

JVC

---

*Hachioji Business Center of Victor Company of Japan, Ltd. has received ISO14001 and ISO9001 Certifications under the global standard for environmental management.
Printed in Japan

KICS-8399 CENH250VKN7058

-- JVC --