The New GY-DV700W Professional DV 2/3" 3-CCD Camcorder From JVC — Setting
The Standard For ENG/EFP/Electronic Cinematography. With Widescreen Capability,
Comprehensive Professional Features, and Broadcast-Standard Performance.

Specifically designed to meet increasing demands for affordable, high-performance ENG/EFP/Electronic Cinematography, the
GY-DV700W is equipped with JVC’s original high performance dual-pipeline 14-bit DSP (Digital Signal Processing), making it suitable for
the most demanding production applications. Switchable between its native 16:9 aspect ratio and the conventional 4:3 ratio, this
impressive unit features three 2/3-inch interline transfer CCDs to assure the highest possible picture quality right from the start. SMPTE or EBU
TC input/output allows synchronization of multiple cameras, while enhanced sensitivity of F11@2000 lux provides broadcasters and
independent producers with the additional functionality they need. Maximum creative flexibility is assured, too, thanks to a versatile design
that lets you use matte boxes and prime lenses. Other professional, broadcast-standard features include manual gamma, knee and
master black adjustments, Full Auto White, Black Stretch/Compression, zebra level indicator and LoLux low light performance. And, of
course, this full-featured professional camcorder is also equipped with all the essentials — like bidirectional IEEE 1394, two 48 kHz 16-bit
digital PCM audio channels, time code input/output and a built-in SMPTE or EBU time code reader/generator.
2/3" 3-CCD image pickup

**High quality & resolution**
The GY-DV700W incorporates three 2/3" 480,000 (NTSC)/570,000 (PAL) pixel interline-transfer CCDs and a 2.3" F1.4 RGB prism to deliver exceptionally sharp pictures. Each CCD is equipped with highly advanced circuitry which virtually eliminates vertical smear when shooting bright lights in a dark room. Lag and image burn are also reduced to undetectable levels.

**Native 16:9/4:3 switchable**
With more and more high-end television production and independent movie producers turning to digital video for their production needs, the picture quality obtained by shooting using native 16:9 aspect ratio CCD's is indispensable.

**Temperature**
Weight: 3 kg (6.6 lbs.) (main unit only)
Dimensions: 290 (W) x 245 (H) x 130 (D) mm (11-7/16" x 9-11/16" x 5-1/8")
Power requirement: DC 10.5 V to 17 V

**High-quality performance**
Professional DV recording on a MiniDV tape
The GY-DV700W combines the convenience and affordability of MiniDV with the high-quality camera performance you need for professional use. Up to 90 minutes* of high-quality 8-bit, 13.5 kHz, 4:1:1 (NTSC)/4:2:0 (PAL) DV component digital images can be recorded on a single MiniDV tape, assuring you the high-quality, non-degradable images you need for top results in post-production editing.

**High-quality PCM digital audio**
To complement its superior pictures, the GY-DV700W offers outstanding digital PCM sound. Audio signals are locked with video signals for smooth editing. You can choose two 16-bit 48 kHz channels or two 12-bit, 32 kHz channels with a dynamic range of more than 85 dB.

**LOLUX 0.75 lux**
When activated, the LOLUX mode increases sensitivity with almost no increase in noise. LOLUX lets you shoot in low light conditions, so you can capture high-quality video footage with excellent color balance at just 0.75 lux illumination.

**Versatile functions**
**IEEE 1394 input/output**
This allows high-quality compressed digital video signal transfer directly to a computer, a non-linear editing system, or to another DV recorder. Producers can now digitally spool directly to a non-linear editing platform without loss, and then transfer the finished product directly back to video tape using the camera alone.

**FEATURES**
2/3" bayonet lens mount
The GY-DV700W uses a standard professional 2/3" bayonet lens mount, making it compatible with the widest range of lenses, including prime lenses and matte boxes.

**SMPTE or EBU time code input/output**
These connectors allow you to synchronize multiple camcorders using a genlock function.

**Compact, lightweight design**
Only 3 kg (6.6 lbs.) for the main unit
Because it uses MiniDV tapes, the GY-DV700W is able to pack a lot of performance into a very compact body that weighs only 3 kg (6.6 lbs.). When fully loaded, it weighs only 5.5 kg (12.1 lbs.) or less including lens, viewfinder, battery pack and tape. The use of a DC-DC power supply trims the unit's dimensions still further.

**Other features**
- Viewfinder status display
- Super scene finder
- Convenient menu dial
- Full auto shooting
- Back tally lamp
- Precision "auto-focus" mode
- Continuous auto black (CAB)
- Automatic level control (ALC)
- Back-lit LCD display
- Tape/battery remaining indicator
- Variable scan view
- Sync lock mode
- Black stretch/compress
- Adjustable gamma point
- Adjustable detail frequency
- Time code reader/generator
- Built-in phantom microphone power

**Specifications**

**GY-DV700WU (NTSC model)**
**GY-DV700WNE (PAL model)**

**General**
- Power requirement: DC 10.5 V to 17 V
- Power consumption: Approx. 20 W
- Dimensions: 290 (W) x 245 (H) x 130 (D) mm (11-7/16" x 9-11/16" x 5-1/8")
- Weight: 3 kg (6.6 lbs.) (main unit only)
- 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 80% RH
- Storage: 85% RH or less

**Camera section**
- Image pickup device: 2/3" interline-transfer CCDs
- Color separation optical system: F1.4, 3-color separation prism
- Number of effective pixels: 480,000 (NTSC)/570,000 (PAL) (960 x 582 x 4:2:0)
- Color system: NTSC (wide-band R-Y, B-Y encoder)/PAL (R-Y, B-Y encoder)
- Color bars: SMPTE/EBU type
- Sync system: Internal sync, external sync (VBS)
- Lens mount: 2/3" bayonet system
- Optical filter: 3200K, 5600K, 5600K + 1/8ND/5600K + 1/64ND
- Sensitivity: F1.1, 2500 lux
- Gain: -3, 0, 6, 9, 12, 18 dB, variable gain in ALC and LOLUX
- Minimum illumination: 0.75 lux with F1.4, LOLUX
- Registration: 0.01% or less (excluding lens distortion)
- Detail correction: Horizontal and vertical dual-edged

**Dimensions**

**Design and specifications subject to change without notice.**

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**JVC Company of Japan, Limited**

**VICTOR COMPANY OF JAPAN, LIMITED**

http://www.jvc-victor.co.jp/english

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