

STREAM THIS.

Introducing the JVC GY-DV300 Streamcorder

A handheld, broadcast quality camera that streams to the Internet.

3CCD | Mini **DV** This truly professional, handheld camcorder with 1/3" 3-CCD and 12-bit digital signal processing performs like cameras many times its price.

Standard controls are within easy reach on the outside of the camera for maximum usability. With a 14:1 power zoom lens and optical stabilizer and color matrix, the GY-DV300 offers outstanding professional imaging and color reproduction. The optional KA-DV300 attaches directly to the camera. The adapter has a built-in microprocessor, industry standard PC card slot and fully functioning web server that lets the user connect to a network environment and stream to any location, without the additional cost of custom software. The Streamcorder is poised to meet the demands of the broadband era.



Streamcorder

3-CCD camera for high-quality picture

To ensure the best possible image quality, the GY-DV300U incorporates three 1/3" 410,000 CCDs (effective 380,000 pixels). Each CCD is equipped with highly advanced circuitry that virtually eliminates vertical smear when shooting bright lights in a dark room. Lag and image burn are also reduced to indiscernible levels, while high sensitivity of F11 at 2000 lux assures creative flexibility and simplifies lighting requirements.

Newly-developed 12-bit DSP

The GY-DV300U incorporates JVC's new DSP with advanced 12-bit video processing to bring out natural details, eliminate spot noise, and accurately reproduce dark areas.

400% dynamic range

By creating an ultra-smooth gamma curve calculated with a true log scale algorithm, a dynamic range of 400% is obtained, making it possible to accurately reproduce fine details and subtle colors throughout the picture, including shadowed and highlighted areas.

14x zoom lens

Both auto and manual focus and iris control are available. 14x zoom speed can be varied as required and the large diameter focus ring ensures smooth, accurate focusing, allowing you to shoot the intended images. An optical image stabilizer (inner focus) helps stabilize zoom images.

LOLUX 2.65 lux (F1.6)

When activated, the LOLUX mode increases sensitivity with almost no increase in noise. LOLUX increases the gain by 45x (+33 dB) so you can capture high-quality video footage with excellent color balance in low-light conditions.

GY-DV301E
GY-DV300U
GY-DV300E

KA-DV300U
WEB ADAPTER

STREAMING SOFTWARE



Optical image stabilizer

To minimize jittery images when shooting with the handheld GY-DV300U, an optical image stabilizer is provided.

AE (automatic exposure) function

Brightness is automatically adjusted by combining the gain, shutter speed and iris.

Full auto shooting

When the GY-DV300U is in the Auto mode, iris, shutter speed, gain, white balance, audio rec level and optional image stabilizer are all adjusted automatically according to the shooting conditions. Picture quality can be adjusted manually, with individual settings available for master black, detail, DTL frequency, V resolution, auto knee, black and color matrix.

16:9 (letterbox) and 4:3 aspect ratios

The screen can be switched between 4:3 and 16:9, allowing you to record signals with the aspect ratio appropriate to the application.

Optional wide conversion lens

For telephoto and wide-angle shooting without sacrificing lens performance, optional telephoto and wide-angle conversion lenses are available.

One-push auto focus/auto iris

When the focus or iris switch is set to MANUAL, the Auto Focus mode or Auto Iris mode can be engaged by pressing and holding the PUSH AUTO FOCUS or PUSH AUTO IRIS button.

Specifications

General

Power requirement: DC 7.2 V to 12 V

Power consumption: Approx. 6 W (in the Record mode)

Dimensions: 357 (W) x 159 (H) x 130 (D) mm
(14-1/16" x 6-5/16" x 5-1/8")

Weight: 1.4 kg (3.1 lbs.) (without battery)

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: 1/3" interline-transfer CCDs

Color separation optical system: F1.6, 3-color separation prism

Total number of pixels: 410,000 (811 (H) x 508 (V))

No. of effective pixels: 380,000 (768 (H) x 494 (V))

Color system: NTSC (wide-band R-Y, B-Y encoder)

Color bars: SMPTE type

Sync system: Internal sync (built-in SSG)

Lens magnification: 14x (optical)

Optical filter: 1/32ND

Sensitivity: F11, 2000 lux

Minimum illumination: 2.65 lux

Horizontal resolution: 750 lines

Gain: -3, 0, 6, 9, 12, 15, 18 dB, variable gain in ALC and LOLUX (33 dB)

Electronic shutter: 1/60, 1/100, 1/250, 1/500, 1/1000, 1/2000, variable (ALC)

Variable scan: 60.1 to 2084.6 Hz

Detail correction: Horizontal and vertical dual-edged

Lens Section

Focus length: $f = 5.7$ mm to 79.8 mm

Maximum diameter ratio: 1: 1.6 (wide) to 1: 2.8 (tele)

Shortest shooting distance: 1.0 m (all areas for zooming)

Swaying correction range: $\pm 3^\circ$

Filter diameter: 52 mm

VTR Section

Format: DV format, SD specifications

Signal format: NTSC

Usable tape: MiniDV tape

Tape speed: 18.812 mm/sec. (SP mode),

12.555 mm/s (LP mode)

Record/play time: 60 minutes (with an M-DV60ME

tape in SP mode), 90 minutes

(with an M-DV60ME tape in LP

mode)

FF/rewind time: Approx. 2 min. (with an

M-DV60ME tape)

Time code: Drop, rec run, regeneration

Video signal recording format: 8-bit, 13.5 MHz, 4:1:1 component recording

[Audio]

Audio signal recording format: 16-bit, 48 kHz PCM for 2 channels or 12-bit, 32 kHz PCM for 4 channels (recording only for 2 channels)

Frequency response: 20 Hz to 20 kHz (48 kHz mode)

Dynamic range: 71 dB or more

[Connectors]

Video output: 1.0 V(p-p), 75 ohms, unbalanced (BNC) (composite video signal)

Y/C output: Y: 1 V (p-p), 75 ohms, unbalanced C: 0.286 V (p-p), 75 ohms, unbalanced (4-pin)

Microphone input: -60 dBs, 3 kohms, unbalanced, +48 V output for phantom power supply

Audio outputs: -6 dBs, low impedance, unbalanced (RCA)

Earphone jack: -60 dBs to -28 dBs, 8-ohm impedance (monaural sound mini-jack)

DV connector: 4-pin

RS-232C interface: Mini DIN 6-pin

Built-in microphone: uni-directional, sensitivity of -40 dBs

GY-DV300UZ package

GY-DV300U

BN-V428U battery

AA-P30U AC adapter/charger

JVC
PROFESSIONAL