

GY-DV5101E DV Camcorder 1/2" DV in & out

3-CCD camcorder with 12-bit ADC and 24-bit DSP.



[Description](#)

[Main features](#)

[Additional features](#)

[Technical specs](#)

[Accessories](#)

[Brochures and manuals](#)

[See all in one page](#)





Description

3-CCD camcorder with totally new 12-bit ADC and 24-bit DSP, producing 62 dB S/N. External IEEE1394 DV input. Picture optimisation with 3-position detail frequency settings. New 1/2" CCD and circuitry provide increased sensitivity and brilliant lo-lux performance of 0.2 lx at F1.4. Resolution of 800 TVL and dynamic range greater than 400%. This package includes the VF-115 viewfinder, but without a lens.

Main features

- Digital input and output via IEEE1394
- Full Auto Shooting (FAS) mode, where switching on and focussing is all that is required of the operator
- Sophisticated colorimetry with 6-axis matrix producing brilliantly true-to-life images
- Direct docking with JVC Hard Disk Recorder DR-DV5000, using 80 GB removable HDD for DTE (Direct-to-Edit) application. Playback via viewfinder or 2.5" colour LCD panel
- Tri-mode 2.5" colour LCD display
- 16:9 electronic squeeze mode for widescreen recording that requires no anamorphic adaptor
- Auto Error Correction circuitry and new head drum assembly serve to eliminate block noise during record and playback operations

Additional features

- Dual XLR inputs

Technical specs

Signal system:

PAL

Description:

3-CCD Professional DV camcorder (Standard and Mini-DV format) with direct docking with JVC's hard disk recorder [DR-DV5000E](#).

Image pickup device:

1/2 inch interline transfer CCDs (x3)

No of pixels:

Total: 470,000 Effective: 440,000

Colour system:

Wideband R-Y, B-Y encoder

Colour bars: SMPTE/EBU type

Sync system:

Internal sync (built-in SSG)

Lens mount:

1/2 inch bayonet system

Optical system:

1/2 inch F1.4, 3-colour separation prism

Optical filter: 3200K, 5600K, 5600K + 1/8ND, 5600K + 1/64ND

Sensitivity:

F13 at 2000 lx

Minimum required Illumination:

0.2 lx with F1.4, LOLUX

Horizontal resolution:

800 lines

S/N ratio:

Effective: 62 dB (camera head, no output)

Gain:

-3, 0, 6, 9, 12, 15, 18 dB, variable gain (0.2 dB-step) in ALC and LOLUX

Shutter speeds:

Electronic Shutter:

Standard value: 50 Hz

Fixed values: 6.75, 12.5, 25, 120, 250, 500, 1000, 2000, 4000, 10000 Hz

Variable scan:

50.1 Hz to 2067.8 Hz

Dynamic range:

400% or more

Tape format:

DV format, 4:2:0 format

Usable tape: Standard / MiniDV tape

Tape speed: 18.831 mm/s

Recording time:

276 minutes (with an LA-DV276PRO tape), 63 minutes (with an M-DV63 tape)

VIDEO

Video signal recording format: 8-bit, 4:2:0 component recording

AUDIO:

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

Frequency response:

20Hz to 20 kHz (48kHz mode)

Digital Video Input:

DV via 4-pin IEEE1394 connector

Digital Video Output:

DV via 4-pin IEEE1394 connector

Video output:

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

Y/C:

Y: 1 V(p-p), 75 ohms, unbalanced

C: 0.3 V(p-p), 75 ohms, unbalanced (4-pin)

Audio input:

Mic: -60 dBs, 3 kohms, balanced (XLR), +48 V output for phantom power supply

Line: +4 dBs, 10 kohms, balanced (XLR)

Audio output:

-6 dBs, low impedance, unbalanced (RCA)

Earphone jack: -17 dBs to -60dBs, 8-ohm impedance (stereo sound mini-jack)

Power requirement:

DC 10.5 V to 17 V

Power consumption:

Approx 20W (in the Record mode)

Dimensions (WxHxD):

364 x 249 x 121

Weight:

5.5kg (inc viewfinder, battery, microphone and tape)

Operating Temperature:

0°C to 40°C

Storage: -20°C to 60°C

Operating Humidity:

30% to 80% RH

Storage: 85% or less

ACCESSORIES:

Microphone x 1

Tripod base x 1

OPTIONS:Viewfinders:

- VF-P115B or VF-P116 1.5" Viewfinder
- VF-P400 4" Viewfinder (required KA-A40 mount)
- KA-A40U Studio Viewfinder mounting bracket

Accessories

- [HZ-FM13U](#)
- Lens control, focus manual
- [HZ-FM15U](#)
- Lens control, focus manual
- [HZ-ZS13BU](#)
- Lens control, zoom servo
- [MV-P615U](#)
- Mic, mono w. XLR connection
- [S17X6.6BRM-SD](#)
- 1/2" lens, 17x zoom lens
- [VF-P115BE](#)
- ENG Viewfinder 1.5"
- [VF-P116E](#)
- ENG Viewfinder 1.5" Hi Res
- [YH16X7K12U](#)
- 1/2" lens, 16x zoom lens

Brochures and manuals

- 

[Brochure for GY-DV5100E](#)

- 

[Instruction manual \(from the JVC Professional Europe Service Information System\)](#)

Links

Miscellaneous