

## GY-DV5100L16V16 DV5100, VF-116, YH16X lens

3-CCD camcorder package including the VF-116 Hi-Res viewfinder, and Y16x Canon zoom lens



[Description](#)

[Main features](#)

[Additional features](#)

[Technical specs](#)

[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. 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-116 HiRes viewfinder, Y16x Canon zoom lens, mic and tripod base.

## Main features

- Digital 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 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

**Lenses & Studio attachments:**

S14 x 7.3B12U 14:1 power zoom lens (Fujinon)  
S17 x 6.6BRM 17:1 power zoom lens (Fujinon)  
S20 x 6.4B12U 20:1 power zoom lens (Fujinon)  
YH16 x 7K12U 16:1 power zoom lens (Canon)  
YH19 x 6.7K12U 19:1 power zoom lens (Canon)  
HZ-FM13U manual focus control for Fujinon lens (excluding S14 lens)  
HZ-FM15U manual focus control for Canon lens  
HZ-ZS13BU Zoom servo/trigger control (Fujinon/Canon lenses)

## Accessories

### Brochures and manuals



[Brochure for GY-DV5100E](#)



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

### Links

### Miscellaneous