

JVC[®]
PROFESSIONAL

GY-DV300U (NTSC model, DV IN / OUT)

GY-DV300E (PAL model, DV OUT ONLY)

GY-DV301E (PAL model, DV IN / OUT)

1/3" 3-CCD DV Camcorder with Web Streaming

Streamcorder

New Product News

3CCD Mini DV



**Introducing webstreaming DV Camcorder.
Directly upload MPEG-4 on the Network environment
and open up whole new vistas in Digital Imaging.**

Operational simplicity and functional sophistication are combined in a compact housing to provide sensational imaging power. High quality digital imaging captures any scene at any location and brings it right to the viewer. GY-DV300U/E, GY-DV301E is a new concept in our series of advanced Professional DV cameras. 1/3" CCD pick-up with up to 380,000 (NTSC)/440,000(PAL) effective pixels and a newly developed 12-bit DSP (digital signal processor) provides excellent image quality. A large, manually controlled 14:1 power zoom lens enables professional imaging. In addition to the IEEE 1394 Firewire-standard(IN/OUT*) DV connector, the optional Web adapter enables live feeds and streaming broadcasts over the Internet from news and education programmes to entertainment. Use the network environment to open whole new vistas in digital imaging.

*GY-DV300E(DV out only) **Photograph depicts prototype. Shown above equipped with microphone, mic holder, and Web adapter (all optional).

Web streaming capabilities for the broadband era

Connect directly to PC networks with Web Adapter (optional), and start outputting MPEG-4 in real time. Now take advantage of handheld mobility for live feeds and streaming broadcasts.

Manually controllable 14:1 power zoom lens

In addition to Auto mode where focus, iris, and other controls are adjusted automatically, the GY-DV300 also includes a manual operation mode. The lens features a large focus ring for better efficiency in obtaining the perfect focus, and the manual iris and ND filter allow the operator to capture exactly the images desired.

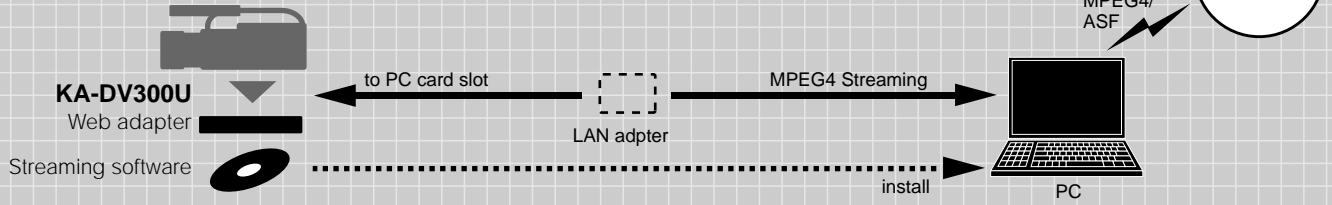
Camera features 1/3" 3-CCD pickup for superb imaging

CCDs with a total of 380,000(NTSC)/440,000(PAL) effective pixels with newly-developed 12-bit digital signal processing provide excellent image quality.

High-quality PCM audio

Features high-quality PCM audio with 16-bit/48-kHz and 12-bit/32-kHz sampling modes.

GY-DV300U/GY-DV300E/GY-DV301E



Digital recording for superior video quality

Digital component format is employed for exceptional video images. Record on MiniDV tape (LP/SP modes).

Equipped with DV (i.LINK) connector

The camera features an IEEE 1394 standard (Firewire) IN/OUT* connector (4-pin), allowing direct transfer of digital data to non-linear editing systems or to other devices equipped with DV connectors. *GY-DV300E(DV out only)

Optical image stabilizer

2.5" TFT color LCD monitor

0.5" color LCD viewfinder

Balanced(XLR) microphone input with selectable phantom power

4:3 to 16:9 (letterbox) switchable

SPECIFICATIONS

CAMERA SECTION

Image pickup device	1/3-inch CCDs
Color separation optical system	F1.6, Color separation prism
Number of effective pixels	NTSC:380,000 (768 (H) x 494 (V)) / PAL:440,000 (752 (H) x 582 (V))
Color system	NTSC : wide-band R-Y, B-Y encoder / PAL : R-Y, B-Y encoder
Color bars	SMPTE / EBU type
Lens	14:1 power zoom lens(f 5.7 to 79.8 mm, F1.6, 1 m)
Optical filter	1/32ND internal
Sensitivity	F11, 2000 lux
Minimum illumination	3 lux with F 1.6, LOLUX mode
Resolution	More than 500 lines
Sensitivity gain	-3, 0, 6, 9, 12, 18 dB, variable gain in ALC and LOLUX
Electronic shutter variable range	NTSC :100, 250, 500, 1000, 2000Hz,variable (ALC) / PAL : 120, 250, 500, 1000, 2000Hz,variable (ALC)
Variable scan	NTSC:60.1 to 2084.6 Hz / PAL:50.1 to 2067.8 Hz
Registration	0.05% or less (excluding lens distortion)
Detail correction	Horizontal and vertical dual-edged
Zebra pattern	5 steps
Microphone level	Variable (menu select)
Auto iris	Iris detect (normal/ AVG/ peak/ back L/ spot L) , selectable
Focus	Auto / Manual
Full auto shooting	Built-in
Full time auto white	Built-in (menu select)
Lolux mode	Electronic gain boost(18dBs) + dual pixel readout (6dBs)
VTR SECTION	
Format	DV format
Signal format	NTSC (GY-DV300U) / PAL (GY-DV300E, GY-DV301E)
Usable tape	MiniDV tape
Tape speed	NTSC:18.812 mm/sec. / PAL:18.831 mm/sec.,SP mode
Record/play time	60 minutes or more (with an M-DV60MEA tape)
FF/rewind time	Within 120 sec. (with an M-DV60MEA tape)

[Video]

Video signal recording format	NTSC: 8 bit, 13.5 MHz, 4:1:1 / PAL: 4:2:0, component recording, 25Mbps
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[Audio]

Audio signal recording format	16-bit, 48 kHz or 12-bit, 32 kHz PCM for 2 channels
Frequency response	20 Hz to 20 kHz (16-bit)
Wow & flutter	Less than measureable limit

CONNECTORS

Video output	1.0 Vp-p,75 ohms (BNC), unbalanced composite video signal
Y/C output	Y:1.0 Vp-p,75 ohms (4-pin), unbalanced / C:0.286 Vp-p, 75 ohms (4-pin), unbalanced
IEEE 1394 interface	4-pin(IN / OUT), GY-DV300E(DV out only)
Microphone inputs	-60 dBs,10 kohms(XLR,3-pin)balanced

GENERAL

Power requirement	DC 7.2 V(6 V to 12 V)
Weight	1.4 kg (without battery)
Operating	0 °C to 40 °C
Operating	30% to 80% RH

OPTIONS

KA-DV300U Web adapter (Web adapter,*Streaming software _a)	MV-P615U MV-P618U Monaural microphone with XLR connector
BN-V428 High-capacity battery	KA-A33U Microphone holder
AA-P30U(Tentative) AC Adapter/Battery charger	KA-A300U Sholder adapter

Design and specifications subject to change without notice.

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