

1/2" 3-CCD DV Camcorder

PROFESSIONAL DV

GY-DV500U

Mini DV NTSC

General

Power requirements:	DC 10.5 V to 17 V
Power consumption:	Approx. 20 W
Dimensions:	275 (W) x 245 (H) x 130 (D) mm (10-7/8" x 9-11/16" x 5-1/8") (body only, less lens, VF and battery)
Weight:	5 kg (11 lbs.) including viewfinder, battery, microphone and tape
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:	1/2" interline-transfer CCDs
Color separation optical system:	F1.4, 3-color separation prism
Number of effective pixels:	380,000 (768 (H) x 494 (V))
Color system:	NTSC (wide-band R-Y, B-Y encoder)
Color bars:	SMPT E type
Sync system:	Internal sync, external sync (VBS)
Lens mount:	1/2" bayonet system
Optical filter:	3200K, 5600K, 5600K + 1/64ND
Sensitivity:	F11, 2000 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:	0.05% or less (excluding lens distortion)
Detail correction:	Horizontal and vertical dual-edged
Electronic shutter variable range:	Standard value: 59.94 (60) Hz Fixed values: 100, 250, 500, 1000, 2000 Hz Variable scan: 60.1 to 2084.6 Hz

VTR section

Format:	DV format
Signal format:	NTSC
Usable tape:	MiniDV tape
Tape speed:	18.812 mm/sec. (SP mode)
Record/play time:	60 minutes or more (with an MDV-60 tape)
FF/rewind time:	Within 120 sec. (with an MDV-60 tape)

[Video]

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

[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), 20 Hz to 14.5 kHz (12-bit)

S/N: 60 dB or more

Dynamic range: 85 dB or more

[Connectors]

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

Y/C output: Y/C signal, 4-pin, 75 ohms, unbalanced

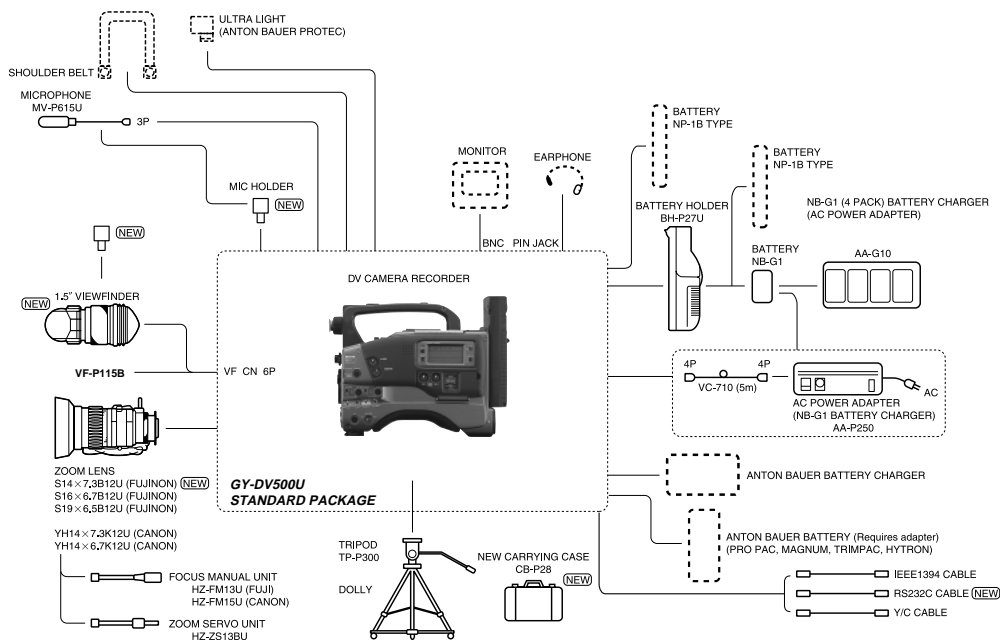
Audio inputs (AUDIO 1, AUDIO 2): MIC: -60 dBs, low impedance (XLR), balanced
LINE: +4 dBs, 10 kohms, balanced

Line outputs (LINE 1, LINE 2): -6 ± 1 dBs, low impedance (RCA), unbalanced

IEEE 1394 interface: 4-pin

RS-232C interface: Mini DIN 6-pin

Included Accessories: Instruction manual
Tripod mounting plate
Viewfinder
Microphone with mount



All model numbers, specifications and prices are subject to change without notice.

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