

# GY-DV500E and BR-DV600E Specifications **PROFESSIONAL DV**

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## GY-DV500E

<b>General</b>	
Power requirements:	DC 10.5 V to 17 V
Power consumption:	Approx. 20 W
Dimensions:	275 (W) x 245 (H) x 130 (D) mm
Weight:	5 kg including viewfinder, battery, microphone and tape
Temperature:	Operating: 0°C to 40°C/Storage: -20°C to 60°C
Humidity:	Operating: 30% to 80% RH Storage: 85% RH or less
<b>Camera section</b>	
Image pickup device:	1/2" interline-transfer CCDs
Colour separation optical system:	F1.4, 3-colour separation prism
Number of effective pixels:	440,000 (752 (H) x 582 (V))
Resolution:	800 TVL performance
Colour system:	PAL (R-Y, B-Y encoder)
Colour bars:	EBU 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: 50 Hz Fixed values: 120, 250, 500, 1000, 2000 Hz Variable scan: 50.1 to 2067.8 Hz
<b>VTR section</b>	
Format:	DV format
Signal format:	PAL
Usable tape:	MiniDV tape
Tape speed:	18.831 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)
<b>[Video]</b>	
Video signal recording format:	8-bit, 13.5 MHz, 4:2:0 component recording
S/N:	47 dB or more
Resolution:	500 TVL or more (monitor out)
<b>[Audio]</b>	
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
<b>[Connectors]</b>	
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
<b>Included accessories:</b>	
Instruction manual Viewfinder Microphone with mount	

## BR-DV600E

<b>General</b>	
Power requirements:	AC 220 - 240 V, 50/60 Hz, DC 12 V (11 V to 17 V)
Power consumption:	Approx. 27 W
Dimensions:	212 (W) x 88 (H) x 324.5 (D) mm
Weight:	Approx. 4 kg
Temperature:	Operating: 5°C to 40°C Storage: -20°C to 60°C
Humidity:	Operating: 30% to 80% RH Storage: 85% RH or less
Format:	DV format
Signal format:	PAL
Usable tape:	MiniDV tape
Tape width:	6.35 mm
Tape speed:	18.831 mm/sec. (SP mode)
Record/play time:	80 minutes (with an MDV-80 tape)
FF/rewind time:	Within 120 sec. (with an MDV-60 tape)
<b>[Video]</b>	
Video signal recording format:	8-bit, 13.5 MHz, 4:2:0 component recording
Sampling frequency:	Y: 13.5 MHz, R-Y/B-Y: 6.75 MHz
S/N:	47 dB or more
Video inputs	
Analogue composite:	1.0 Vp-p, 75 ohms
Analogue Y/C:	Y: 1.0 Vp-p, 75 ohms C: 0.3 Vp-p, 75 ohms
Analogue component:	Y: 1.0 Vp-p, 75 ohms R-Y/B-Y: 0.7 Vp-p, 75 ohms
External sync input:	0.3 Vp-p, 75 ohms
Video output	
Analogue composite:	1.0 Vp-p, 75 ohms
Analogue Y/C:	Y: 1.0 Vp-p, 75 ohms C: 0.3 Vp-p, 75 ohms
Analogue component:	Y: 1.0 Vp-p, 75 ohms R-Y/B-Y: 0.7 Vp-p, 75 ohms
<b>[Audio]</b>	
Audio signal recording format:	16-bit, 48 kHz for four channels or 12-bit, 32 kHz PCM for 2 channels
Frequency response:	20 Hz to 20 kHz, +1.0/-5 dB (16 bits)
Dynamic range:	85 dB or more (PCM audio)
Audio input	Line: -6 dBs, high impedance, unbalanced Mic: -67 dBs, 600 ohms, unbalanced
Audio output	Line: -6 dBs, low impedance, unbalanced Monitor: -6 dBs, low impedance, unbalanced Headphone: - infinity to -17 dBs, 8 ohms
<b>[Time code]</b>	
Output:	0 ± 3 dBs, low impedance, balanced
<b>[Connectors]</b>	
IEEE 1394 interface:	4-pin
RS-422 interface:	D-sub 9-pin
JVC bus connector:	DIN 12-pin
Included accessories	Instruction manual x 1 AC cable x 1 Options RM-G30U remote control unit SA-K46U RS-232C interface board