

Camera

Item	Details
Power supply	Using AC adapter: DC 5.2 V Using battery pack: DC 3.6 V
Power consumption	GZ-HD620: 3.3 W (when "LIGHT" is set to "OFF" and "LCD BACKLIGHT" is set to "STANDARD") GZ-HD620: 3.6 W (when "LIGHT" is set to "ON" and "LCD BACKLIGHT" is set to "BRIGHTER") GZ-HD500: 3.2 W (when "LCD BACKLIGHT" is set to "STANDARD") GZ-HD500: 3.4 W (when "LCD BACKLIGHT" is set to "BRIGHTER") Rated Current Consumption: 1A
Dimensions (mm)	53 x 63 x 110 (2-1/8" x 2-1/2" x 4-3/8") (W x H x D: excluding grip belt)
Mass	GZ-HD620: Approx. 270 g (0.60 lbs) (camera only) GZ-HD620: Approx. 310 g (0.68 lbs) (including supplied battery pack) GZ-HD500: Approx. 265 g (0.58 lbs) (camera only) GZ-HD500: Approx. 305 g (0.67 lbs) (including supplied battery pack)
Operating environment	Allowable operating temperature: 0°C to 40°C (32°F to 104°F) Allowable storage temperature: -20°C to 50°C (-4°F to 122°F) Allowable operating humidity: 35 % to 80 %
Image pickup device	GZ-HD620: 1/4" 3,320,000 pixels (progressive CMOS) GZ-HD500: 1/5.8" 1,370,000 pixels (progressive CMOS)
Recording area (Video)	GZ-HD620: (16:9) 1,160,000 to 1,380,000 pixels (optical zoom) GZ-HD500: (16:9) 750,000 to 1,090,000 pixels (optical zoom)
Recording area (Still Image)	GZ-HD620: (4:3) 870,000 to 1,040,000 pixels GZ-HD620: (16:9) 1,160,000 to 1,380,000 pixels GZ-HD500: (4:3) 560,000 to 820,000 pixels GZ-HD500: (16:9) 750,000 to 1,090,000 pixels
Lens	GZ-HD620: F1.8-4.7, f= 3.0mm to 90.0mm (35mm conversion: 43.7mm to 1,311mm) GZ-HD500: F1.8-3.5, f= 3.0mm to 60.0mm (35mm conversion: 46.4mm to 928mm)
Zoom (during video recording)	GZ-HD620: Optical zoom: Up to 30x Digital zoom: Up to 60x Digital zoom: Up to 200x GZ-HD500: Optical zoom: Up to 20x Digital zoom: Up to 80x Digital zoom: Up to 200x
Zoom (during still image recording)	GZ-HD620: Optical zoom: Up to 30x GZ-HD500: Optical zoom: Up to 20x
LCD monitor	2.7" wide, 12.3 megapixels, polysilicon color LCD
Recording media	GZ-HD620: Internal HDD (120 GB) GZ-HD500: Internal HDD (80 GB) microSD/microSDHC card (commercially available)
Clock battery	Rechargeable battery

Connectors

Item	Details
HDMI	HDMI™ mini connector (V1.3 with x.v.Color™)
Component output	Y, Pb, Pr component output Y: 1.0 V (p-p), 75 Ω Pb/Pr: 0.7 V (p-p), 75 Ω
AV output	Video output: 1.0 V (p-p), 75 Ω Audio output: 300 mV (rms), 1 K Ω
USB	GZ-HD620: Mini USB Type AB, USB 2.0 compliant GZ-HD500: Mini USB Type B, USB 2.0 compliant

Video

Item	Details
Recording/Playback format	AVCHD standard, Video: AVC/H.264, Audio: Dolby Digital (2ch)
Extension	.MTS
Signal system	NTSC standard
Image quality (Video)	UXP 1920 x 1080 pixels Average Approximate 24 Mbps XP 1920 x 1080 pixels Average Approximate 17 Mbps SP 1920 x 1080 pixels Average Approximate 12 Mbps EP 1920 x 1080 pixels Average Approximate 5 Mbps
Sound quality (Audio)	48 kHz, 256 kbps

Still Image

Item	Details
Format	JPEG standard
Extension	.JPG
Image size	1920 x 1080 1440 x 1080 640 x 480
Quality	FINE / STANDARD

AC Adapter (AP-V30U)

Item	Details
Power supply	AC 110 V to 240 V, 50 Hz/60 Hz
Output	DC 5.2 V, 1.8 A
Allowable operating temperature	0°C to 40°C (32°F to 104°F) (10°C to 35°C (50°F to 95°F) during charging)
Dimensions (mm)	78 x 34 x 46 (3-1/8" x 1-3/8" x 1-13/16") (W x H x D: excluding cord and AC plug)
Mass	Approx. 107 g (0.24 lbs)

Battery Pack (BN-VG114U)

Item	Details
Power voltage	3.6 V
Capacity	1400 mAh
Dimensions (mm)	31 x 21.5 x 43 (1-1/4" x 7/8" x 1-3/4") (W x H x D)
Mass	Approx. 40 g (0.09 lbs)

Remote Control (RM-V760)

Item	Details
Power supply	DC 3.0 V
Battery life	Approx. 1 year (depending on frequency of use)
Operating distance	within 5 m (16.4 ft)
Operating temperature	0°C to 40°C (32°F to 104°F)
Dimensions (mm)	32.5 x 15.6 x 68 (1-5/16" x 5/8" x 2-11/16") (W x H x D)
Mass	16 g (0.04 lbs) (including battery)

NOTE:

- Some features explained in this manual only apply to the specific model identified.
 - The specifications and appearance of this product are subject to changes for further improvement without prior notice.
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