

General Specification

Supply Voltage:	DC 12 V (when the AC adaptor is used) DC 7.2 V (when the battery is used)
Power Consumption:	12.9 W
Operating Temperature:	0°C to 40°C (32°F to 104°F)
Operating Humidity:	10% to 80% (no condensation)
Weight:	Approx. 1.50 kg (Approx. 3.3 lb/main unit only) Approx. 1.78 kg (Approx. 3.9 lb/with battery and an SD card)
Dimensions (W X H X D):	160 mm x 195 mm x 350 mm excluding protruding parts (6-5/16 inches x 7-11/16 inches x 13-1/16 inches)

Camera Section

Pickup Devices:	1/4.7 type 3MOS image sensor Effective pixels: Approx. 8,040K (Approx. 2,680K x 3)
Lens:	Auto Iris optical zoom (Full range AF) F value (focal length): F1.5 to F2.8 (Focal length; 2.84 mm to 34.1 mm) 35 mm equivalent: Motion picture/Still picture; 29.8 mm to 383.7 mm (16:9) Minimum focus distance: Approx. 3.5 cm (1.4 inches) (Wide) Approx. 1.2 m (3.9 feet) (Tele)
Filter Diameter:	49 mm
Zoom:	12x optical zoom, 25x i.Zoom, 2x/5x/10x digital zoom
Shutter Speed:	1/25 sec. to 1/2000 sec. (auto slow shutter ON) 1/50 sec. to 1/2000 sec. (auto slow shutter OFF) at 50i/50p/25p motion picture recording, manual mode
Image Stabilizer Function:	Optical (hybrid optical image stabilizer, active mode)
Minimum Illumination:	Approx. 3 lx (iA mode, 1/25 sec. shutter speed with auto slow shutter ON)

Memory Card Recorder Section

Recording Format:	AVCHD version 2.0 compliant, AVCHD Progressive
Motion Picture Compression:	MPEG-4 AVC/H.264
Audio Compression:	Dolby Digital (5.1ch/2 ch)
Recording Mode:	*Please see the table below.
Still Picture Recording Format:	JPEG corresponding (Design rule for Camera File system, based on Exif 2.2 standard)
Recording Media:	SD Memory Card, SDHC Memory Card, SDXC Memory Card

Video Output

AV Multi Output:	Component video output level: Y: 1.0 V [p-p], 75Ω Pb: 0.7 V [p-p], 75Ω Pr: 0.7 V [p-p], 75Ω AV video output level: 1.0 V [p-p], 75Ω
HDMI Output:	HDMI™ 1080p/1080i/720p/576p

Audio Input/Output

LINE:	2 ch (AV Multi terminal)
HDMI Output:	Dolby Digital/ Linear PCM
Headphones Output:	3.5 mm stereo mini jack
XLR Input:	XLR (3 pin) x 2 (INPUT1/INPUT2), LINE: 0 dBu MIC: -50/-60 dBu (switch with the menu)
Microphone:	5.1 ch surround microphone (with zoom / focus microphone function) / stereo microphone

Other Input/Output

USB:	Reader function (No copyright protection support) Hi-Speed USB (USB 2.0), USB terminal Type Mini B
Camera Remote:	2.5 mm diameter, super mini jack x 1 (ZOOM, REC S/S) 3.5 mm diameter, mini jack x 1 (FOCUS, IRIS)

Monitor

Monitor:	8.8 cm (3.5 inches) wide LCD monitor (Approx. 1152 K dots)
Viewfinder:	0.61 cm (0.24 inches) wide EVF (Approx. 263 K dots equivalent)

Included Accessories

Battery pack, Battery charger, AC adaptor, AC cable (x 2), Eye cup, Remote control (Battery built-in), CD-ROM (Operating Instructions), USB cable, AV multi cable, Lens cap, Shoulder strap, Microphone holder, INPUT terminal cap (2 caps), Microphone holder adaptor, Microphone holder screws

Weight and dimensions are approximate.
Specifications are subject to change without notice.

Recording Mode and Recording Time

Recording Mode	Bit Rate	Image Size (H x V)	Recording Format	Max. Recording Time*
PS Mode	Approx. 25 Mbps (Average) / Max. 28 Mbps	1920 × 1080	1080/50p	Approx. 10 hour 40 minutes*
PH Mode	Approx. 21M bps (Average) / Max. 24 Mbps	1920 × 1080	1080/50i	Approx. 12 hours*
			108025p	Approx. 12 hours*
HA Mode	Approx. 17 Mbps (Average)	1920 × 1080	1080/50i	Approx. 16 hours*
HE Mode	Approx. 6 Mbps (Average)	1440 × 1080	1080/50i	Approx. 48 hours*
PM Mode	Approx. 8 Mbps (Average)	1280 × 720	720/50p	Approx. 38 hours*
SA Mode	Approx. 9 Mbps (Average)	720 × 576 (PAL)	576/50i	Approx. 33 hours*
CS Mode	Approx. 3.5 Mbps (Average)	720 × 576 (PAL)	576/50i	Approx. 82 hours*

*When two 64 GB SDXC memory cards are used. The maximum continuous recording time is 6 hours regardless of the recording mode.