



VIXIA

HFR80

Specifications

Standard Definition or High Definition	High Definition
Television System	NTSC
Video Recording System	MPEG-4
Image Sensor	1/4.85-inch CMOS, RGB Primary Color Filter
Total Pixels	Approx. 3.28 Megapixels
Effective Pixels	Video: Approx. 2.07 Megapixels (1920 x 1080) Photo: Approx. 2.07 Megapixels (1920 x 1080)
Maximum Recording Time	16GB Internal Flash Drive in MP4*: 4 Mbps (1280 x 720)**: 8 hrs. 40 min. 17 Mbps (1920 x 1080)**: 2 hrs. 5 min. 24 Mbps (1920 x 1080)**: 1 hr. 25 min. 35 Mbps (1920 x 1080)**: 1 hr. * Variable bit rate. ** When recording has continued for approximately 12 hours, it will automatically stop and then start.
Lens	Zoom Ratio: 57x Advanced / 32x Optical / 1140x Digital Focal Length: 2.8–89.6mm 35mm Film Equivalent: Optical Zoom: Approx. 38.5–1232mm Advanced Zoom Off: Approx. 38.5–1232mm Advanced Zoom On: Approx. 32.5–1853mm Zoom Speed: Variable / 3 Fixed Zoom Speeds Max. F/Stop: f/1.8–4.5
Focusing System	TTL (Through The Lens)
Manual Exposure	Available
Programmed AE	Smart AUTO, P, SCN* ¹ , High-brightness priority, Cinema Mode* ² ^{*1} Portrait, Sports, Snow, Beach, Sunset Scene, Night, Low Light, Spotlight, Fireworks ^{*2} Cinema Standard, Vivid, Cool, Sepia, Old Movies
Max Shutter Speed	Movie: 1/2000 sec. Still Image: 1/500 sec.
Minimum Focusing Distance	Auto mode: 10mm (AF linkage: WIDE end), 1m in intermediate zoom range, approx. 50 cm at TELE end All other modes: 10mm (WIDE end), 1m across entire zooming range (from edge of lens). However, approx. 50cm at tele macro setting established at this time (automatic movement to TELE end)
White Balance	Auto, Daylight, Tungsten, Custom WB
Frame Rate	60P/30P/24P
Minimum Illumination	P mode: Approx. 5 lux Low Light mode: Approx. 0.4 lux

<p>Image Stabilization</p>	<p>Intelligent IS in Auto/Baby mode</p> <ul style="list-style-type: none"> • Dynamic IS (default) • Powered IS • Macro IS • Tripod Mode <p>IS Modes other than Intelligent IS; Dynamic IS and Powered IS settings can be made manually in P/High-brightness priority/SCN^{*1}/ Cinema Mode:</p> <ul style="list-style-type: none"> • Standard IS • IS Off <p>Angular velocity detection (using piezoelectric vibration sensor) and hybrid by sensor based movement vector detection supported.</p> <p><small>*1 Portrait, Sports, Snow, Beach, Sunset, Night, Low Light, Spotlight, Fireworks</small></p>
<p>Filter Diameter</p>	<p>43mm diameter</p>
<p>Viewfinder</p>	<p>Not Available</p>
<p>LCD Screen</p>	<p>3.0-inch (7.51cm) panel, widescreen color LCD (approx. 230,000 dots)</p>
<p>Recording Media</p>	<p>Built-in 16GB memory and 1 additional SD/SDHC/SDXC memory card slot</p>
<p>Recommended Cards</p>	<p>60P (DOM) recording: Memory cards of class 6 or 10 Class 4, 6 or 10 memory cards are recommended in the high-image-quality and Full HD standard modes. Slow & Fast motion recording: Use of Class 6 or 10 memory cards</p> <p>Any class of card may be used for photo shooting.</p>
<p>USB Terminal</p>	<p>mini-AB: Hi-Speed USB supported</p>
<p>Video Terminal</p>	<p>Signal configuration: NTSC standard color video signals Impedance: 75 Ω Signal level: 1 Vp-p (composite)</p> <p>Horizontal resolution Self recording/playback: Max. 530 TV lines (screen center) Camera EEout catalog value: Approx. 530 TV lines (screen center)</p>
<p>Audio</p>	<p>Types of signals: Stereo audio signal Impedance: Less than 3 kΩ Signal level: -10 dBV (with 47 kΩ load) Frequency characteristic: 60 Hz to 16 kHz (range between 1 kHz reference \pm3 dB)</p>
<p>Accessory Shoe</p>	<p>Not Available</p>
<p>Supplied Video Editing Software</p>	<p>Not Available</p>
<p>HDMI Terminal</p>	<p>HDMI Mini Connector, output only for both images and sound</p>
<p>Headphone Jack</p>	<p>3.5mm diameter stereo mini-jack (also serves as AV mini-terminal) Impedance: 47 Ω Output signal level: -18 dBV (with 16 Ω load at maximum volume)</p>
<p>Operating Temperature Range</p>	<p>23° to 113°F (-5° to 45°C) 60% relative humidity (operation) 32° to 104°F (0° to 40°C) 85% relative humidity (performance)</p>
<p>Dimensions (W x H x D)</p>	<p>Approx. 2.1 x 2.3 x 4.6 in. / 53 x 58 x 116mm (not including grip belt)</p>
<p>Weight</p>	<p>Approx. 8.5 oz. / 240g (body, not including grip belt) Approx. 10.9 oz. / 310g (including Battery BP-727, memory card, grip belt)</p>