



# VIXIA

## HF R700

### Specifications

Standard Definition or High Definition	High Definition
Television System	NTSC
Video Recording System	AVCHD/MPEG-4
Image Sensor	1/4.85-inch CMOS, RGB Primary Color Filter
Total Pixels	Approx. 3.28 Megapixels
Effective Pixels	<b>Video:</b> Approx. 2.07 Megapixels (1920 x 1080) <b>Photo:</b> Approx. 2.07 Megapixels (1920 x 1080)
Maximum Recording Time	<p><b>32GB SD Memory Card in AVCHD*:</b>            LP (1440 x 1080)**: 12 hrs. 15 min.            FXP (1920 x 1080)**: 4 hrs. 10 min.            MXP (1920 x 1080)**: 2 hrs. 55 min.            NTSC 60p (1920 x 1080)**: 2 hrs. 30 min.</p> <p><b>32GB SD Memory Card in MP4*:</b>            4 Mbps (1280 x 720)**: 17 hrs. 20 min.            17 Mbps (1920 x 1080)**: 4 hrs. 10 min.            24 Mbps (1920 x 1080)**: 2 hrs. 55 min.            35 Mbps (1920 x 1080)**: 2 hrs.</p> <p>* Variable bit rate.            ** When recording has continued for approximately 12 hours, it will automatically stop and then start.</p>
Lens	<p><b>Zoom Ratio:</b> 57x Advanced* / 32x Optical / 1140x Digital            *Manual mode/Cinema Mode only</p> <p><b>Focal Length:</b> 2.8-89.6mm</p> <p><b>35mm Film Equivalent:</b> Optical Zoom: Approx. 38.5-1232mm            Advanced Zoom Off: Approx. 38.5-1232mm            Advanced Zoom On: Approx. 32.5-1853mm</p> <p><b>Zoom Speed:</b> Variable / 3 Fixed Zoom Speeds</p> <p><b>Max. F/Stop:</b> f/1.8-4.5</p>
Focusing System	TTL (Through The Lens)
Manual Exposure	Available
Programmed AE	Smart AUTO, P, SCN* <sup>1</sup> , High-brightness priority, Cinema Mode* <sup>2</sup> , Baby Mode <sup>1</sup> Portrait, Sports, Snow, Beach, Sunset, Night, Low Light, Spotlight, Fireworks <sup>2</sup> Cinema Standard, Vivid, Cool, Sepia, Old Movies
Max Shutter Speed	<b>Movie:</b> 1/2000 sec. <b>Still Image:</b> 1/500 sec.
Minimum Focusing Distance	<b>Auto mode:</b> 10mm (AF linkage: WIDE end), 1m in intermediate zoom range, approx. 50 cm at TELE end <b>All other modes:</b> 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)

<b>White Balance</b>	Auto, Daylight, Tungsten, Custom WB
<b>Frame Rate</b>	<b>AVCHD:</b> 60i/PF30/60P <b>MP4:</b> 60P/30P/24P
<b>Minimum Illumination</b>	<b>P mode:</b> Approx. 5 lux <b>Low Light mode:</b> Approx. 0.4 lux
<b>Image Stabilization</b>	Optical System (lens-shift system) + electronic stabilization Intelligent IS in Auto/Baby mode <ul style="list-style-type: none"> <li>• Dynamic IS (default)</li> <li>• Powered IS</li> <li>• Macro IS</li> <li>• Tripod Mode</li> </ul> <p>IS Modes other than Intelligent IS; Dynamic IS and Powered IS settings can be made manually in P/High-brightness priority/SCN*/Cinema Mode:</p> <ul style="list-style-type: none"> <li>• Standard IS</li> <li>• IS Off</li> </ul> <p>Angular velocity detection (using piezoelectric vibration sensor) and hybrid by sensor based movement vector detection supported.</p> <p>*Portrait, Sports, Snow, Beach, Sunset, Night, Low Light, Spotlight, Fireworks</p>
<b>Filter Diameter</b>	43mm diameter
<b>Viewfinder</b>	Not Available
<b>LCD Screen</b>	3.0-inch capacitive touch panel widescreen color LCD (Approx. 230,000 dots)
<b>Recording Media</b>	1 SD/SDHC/SDXC/FlashAir memory card slot
<b>Recommended Cards</b>	<b>60P (NTSC)/50P (PAL) recording:</b> Memory cards of class 6 or higher For both AVCHD and MP4, Class 4 or higher-speed memory cards are recommended in the high-image-quality and full-HD standard modes. <b>Slow &amp; Fast motion at 0.5x speed:</b> Memory cards of class 6 or higher Any class of card may be used for photo shooting.
<b>USB Terminal</b>	mini-AB: Hi-Speed USB supported
<b>Video Terminal</b>	Composite (output)
<b>Audio</b>	<b>AVCHD:</b> Dolby Digital (2ch) <b>MP4:</b> MPEG-4 AAC-LC (2ch) <b>Sampling Frequency:</b> 48 KHz
<b>Accessory Shoe</b>	Not Available
<b>Supplied Video Editing Software</b>	Not Available
<b>HDMI Terminal</b>	Available; Mini connector (output only)
<b>Microphone Terminal</b>	3.5mm diameter stereo mini-jack
<b>AV Mini Terminal/ Headphone Terminal</b>	3.5mm diameter 4 pole mini-jack (video/audio output only)
<b>Operating Temperature Range</b>	23° to 113°F (-5° to 45°C) 60% relative humidity (operation) 32° to 104°F (0° to 40°C) 85% relative humidity (performance)
<b>Dimensions (W x H x D)</b>	Approx. 2.1 x 2.3 x 4.6 in. / 53 x 58 x 116mm (Not including grip belt)
<b>Weight</b>	Approx. 8.3 oz. / 235g (Body, not including grip belt) Approx. 10.8 oz. / 305g (Including Battery BP-727, memory card, grip belt)