

Specifications

| Main Unit Specs | |
|---------------------------|---|
| Type | 4K video camera (4K camcorder) |
| Power Supply (rated) | 7.4 V DC (battery pack), 8.4 V DC (DC IN) |
| Television System | NTSC |
| Recording Format | MP4 |
| Video Recording System | MPEG-4 AVC / H.264 |
| Audio Recording System | MPEG-2 AAC-LC (2ch 16 bit) |
| Image Sensor | 1/2.3-inch 4K UHD CMOS sensor |
| Total Pixels | Approx. 21.14 Megapixels (5352x3950) |
| Effective Pixels | Approx. 8.29 Megapixels (3840x2160) |
| Lens | <p>Zoom Ratio: 20x Optical Focal Length: 3.67–73.4mm Focal Length equivalent to 35mm film: (3840x2160) Approx. 30.6–612mm with Dynamic IS On, approx. 29.3–601mm with Standard IS / IS Off (1920x1080/1280x720) Approx. 32.0–640mm with Dynamic IS On, approx. 30.5–627mm with Standard IS / IS Off</p> <p>Zoom Speed: Variable speed / Constant speed (16 levels); Fast, Normal or Slow Max. F/Stop: f/1.8–2.8</p> |
| Focusing System | Hybrid AF (TTL-video signal detection system and external phase difference metering system): Instant AF, Medium AF Normal AF (TTL-video signal detection system): Face Only AF, Manual Focus |
| Manual Exposure | Available |
| Manual Control Ring | Available, lens ring (function switched between zoom and focus) |
| Programmed AE | Auto Mode: Auto Manual Mode: P, Tv, Av, M (Manual exposure), SCN (Portrait, Sports, Snow, Beach, Sunset, Night, Low Light, Spotlight, Fireworks) Cinema Mode: P, Tv, Av, M |
| Maximum Shutter Speed | 1/1000 sec. |
| Minimum Focusing Distance | 20mm (wide end) / 600mm (across zooming range) |
| White Balance | Auto, Daylight, Tungsten, Color Temperature, Set 1, Set 2 |
| Frame Rate | MP4 – 3840x2160: 29.97P / 23.98P; 1920x1080: 59.94P / 29.97P / 23.98P; 1280x720: 59.94P |

| | |
|------------------------------------|--|
| Image Stabilization | Optical system (lens shift) + electronic stabilization Control modes: <ul style="list-style-type: none"> • Dynamic IS* • Powered IS <i>*When in Dynamic IS, shooting angle will be different than when set to Standard IS or IS Off.</i> IS Modes other than Intelligent IS: <ul style="list-style-type: none"> • Standard IS • IS off |
| Filter Diameter | 58mm |
| Viewfinder | 0.24-inch, TFT Widescreen color LCD (equivalent to approx. 1.56 million dots, 100% field of view) |
| LCD Screen | 3.0-inch LCD, Capacitive Touch Panel (approx. 0.46 million dots) |
| Recording Media | 2 SD card slots |
| USB Terminal | mini-B receptacle and Hi-Speed USB supported (output only) |
| Accessory Shoe | Cold shoe, mini advanced shoe* <i>*Only Video Light VL-5 and DM-100 supported.</i> |
| HDMI Terminal | HDMI OUT mini connector |
| Microphone Terminal | 3.5mm diameter stereo mini-jack, MIC/LINE switching possible |
| Headphone Terminal | 3.5mm stereo mini-jack |
| Remote Control Terminal | 2.5mm stereo mini-jack (input only) |
| Operating Temperature Range | Approx. 23–113°F (-5–45°C), 60% relative humidity (operation) Approx. 32–104°F (0–40°C), 85% relative humidity (performance) |
| Dimensions (W x H x D) | Approx. 4.3 x 3.3 x 7.2 in. / 109 x 84 x 182mm (not including lens hood) Approx. 4.5 x 3.3 x 9.1 in. / 115 x 84 x 231mm (including lens hood) |
| Weight | Approx. 1.62 lbs. / 735g (body only) Approx. 1.91 lbs. / 870g (including lens hood, BP-820 and memory card) |

Maximum Recording Time

| MP4 | Recording Mode | | | |
|--------|----------------|-------------|-------------|--------------|
| | 150 Mbps | 35 Mbps | 17 Mbps | 8 Mbps |
| 8 GB | 5 minutes | 25 minutes | 55 minutes | 120 minutes |
| 16 GB | 10 minutes | 55 minutes | 120 minutes | 255 minutes |
| 32 GB | 25 minutes | 115 minutes | 245 minutes | 520 minutes |
| 64 GB | 55 minutes | 240 minutes | 495 minutes | 1055 minutes |
| 128 GB | 110 minutes | 485 minutes | 995 minutes | 2120 minutes |

A variable bit rate is applicable in each case.