

Specifications

| Camera | |
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| Image Sensor | 1" SPAD Sensor (effective pixels: approx. 2,100,000, total pixels: approx. 3,200,000) |
| Minimum subject illumination | 0.001 lux (Color (Night Mode), no light accumulation, f/1.4 equivalent, shutter speed 1/30, 50IRE, maximum gain) |
| Lens Mount | Bayonet lens mount based on BTA S-1005B standards |
| Video Output Format | <p>[Frame rate 59.94P] 1920 x 1080: 59.94P*, 59.94i (4:2:2 10 bit) 1280 x 720: 59.94P (4:2:2 10 bit) * 3G-SDI mapping Level A/B supported</p> <p>[Frame rate 29.97P] 1920 x 1080: 29.97P, 29.97PsF (4:2:2 10 bit)</p> <p>[Frame rate 50.00P] 1920 x 1080: 50.00P*, 50.00i (4:2:2 10 bit) 1280 x 720: 50.00P (4:2:2 10 bit) * 3G-SDI mapping Level A/B supported</p> <p>[Frame rate 25.00P] 1920 x 1080: 25.00P, 25.00PsF (4:2:2 10 bit)</p> |
| Exposure | Auto, Tv, Av, AGC, Manual AE Shift |
| Metering Mode | Standard, Spotlight, Backlight, AF frame metering |
| White Balance | Manual (MWB), AWB, White Balance Set A (WB-A), White Balance Set B (WB-B), Daylight (DyIt), Tungsten (Tung), Color Temperature (Kelv) – Preset setting/color temperature setting: available |
| Auto Black Balance | Available |
| Iris | Manual (control range varies depending on the lens) |
| Gain | 0.0 – 72.0 dB |
| Custom Picture | CrispImg2 (preset) |

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| <p>Shutter Speed</p> | <p>[Frame rate 59.94P] 1/4, 1/8, 1/15, 1/30, 1/60, 1/75, 1/90, 1/100, 1/120, 1/150, 1/180, 1/210, 1/250, 1/300, 1/360, 1/420, 1/500, 1/600, 1/720, 1/840, 1/1000, 1/1200, 1/1400, 1/1700, 1/2000</p> <p>[Frame rate 29.97P] 1/4, 1/8, 1/15, 1/30, 1/34, 1/40, 1/48, 1/50, 1/60, 1/75, 1/90, 1/100, 1/120, 1/150, 1/180, 1/210, 1/250, 1/300, 1/360, 1/420, 1/500, 1/600, 1/720, 1/840, 1/1000, 1/1200, 1/1400, 1/1700, 1/2000</p> <p>[Frame rate 50.00P] 1/3, 1/6, 1/12, 1/25, 1/50, 1/60, 1/75, 1/90, 1/100, 1/120, 1/150, 1/180, 1/210, 1/250, 1/300, 1/360, 1/420, 1/500, 1/600, 1/720, 1/840, 1/1000, 1/1200, 1/1400, 1/1700, 1/2000</p> <p>[Frame rate 25.00P] 1/3, 1/6, 1/12, 1/25, 1/30, 1/33, 1/40, 1/50, 1/60, 1/75, 1/90, 1/100, 1/120, 1/150, 1/180, 1/210, 1/250, 1/300, 1/360, 1/420, 1/500, 1/600, 1/720, 1/840, 1/1000, 1/1200, 1/1400, 1/1700, 1/2000</p> <p>– Only when the Extended Shutter Speed is set to [Enable], 1/600 – 1/2000 options can be selected.</p> |
| <p>Shutter Speed Limit (Lower)</p> | <p>[Frame rate 59.94P] 1/4, 1/8, 1/15, 1/30 [Frame rate 29.97P] 1/4, 1/8, 1/15 [Frame rate 50.00P] 1/3, 1/6, 1/12, 1/25 [Frame rate 25.00P] 1/3, 1/6, 1/12</p> |
| <p>Flicker Reduction</p> | <p>Available</p> |
| <p>Optical filters</p> | <p>ND filter: motor operated insertion-extraction (manual/automatic), 1 density level (approx. 1/64) IR cut filter: motor operated insertion-extraction (manual/automatic)</p> |
| <p>Focus</p> | <p>Manual, One-shot AF AF frame: Large, small AF frame position: Center, specified area</p> |
| <p>AGC Limit</p> | <p>Off/72.0 – 48.0 dB</p> |
| <p>Day/Night Switch</p> | <p>Auto/Day Mode/Night Mode</p> |
| <p>Color Bars</p> | <p>SMPTE, ARIB, EBU</p> |
| <p>Smart Shade Control (SSC)</p> | <p>Available</p> |
| <p>Haze Compensation</p> | <p>Available</p> |
| <p>Diffraction Correction</p> | <p>Available (excluding certain non-supported lenses)</p> |
| <p>Chromatic Aberration Correction</p> | <p>Available (excluding certain non-supported lenses)</p> |
| <p>Digital Zoom</p> | <p>Available, 10x (Max.)</p> |
| <p>On-Screen Display</p> | <p>Available, English/Japanese</p> |
| <p>Server</p> | |
| <p>Protocol</p> | <p>Network Protocol: IPv4, IPv6, TCP/IP, UDP, HTTP, DHCP, AutoIP, ARP, ICMP, SSL/TLS Control Protocol: NU (Canon proprietary, Serial), Pelco-D (Serial)</p> |
| <p>Interface</p> | |
| <p>LAN Terminal</p> | <p>RJ45 x 1 (for firmware update only)</p> |

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| 3G/HD-SDI Terminal | BNC jack (output only) x 1, 0.8 Vp-p/75 Ω, unbalanced 3G-SDI: SMPTE 424, SMPTE 425, SMPTE ST 299-2 HD-SDI: SMPTE 292, SMPTE ST 299-1 Time code (VITC/LTC) |
| GENLOCK Terminal | BNC jack (input only) x 1, 1.0 Vp-p/75 Ω |
| REMOTE Terminal | Circular 8-pin jack x 1 (RS-232C/RS-422/RS-485) – Serial communication method can be switched by DIP switch |
| LENS Terminal | Circular 12-pin jack x 1 |
| External Device I/O Terminal | Input x 2, output x 2 (for future extension) |
| Memory Card | microSD card slot x 1 (for future extension, not recordable) |
| Other | |
| Power Supply | External power source: 12 – 30 V DC (connector included) |
| Power Consumption | DC input: Max. 23.7 W (camera body only) |
| Operating Temperature | Temperature Operating temperature range DC: -20°C – +45°C (-4°F – +113°F) Start-up temperature range DC: -10°C – +45°C (-14°F – +113°F) |
| Storage Environment | Temperature -30°C – +60°C (-22°F – +140°F) Humidity 5% – 90% (without condensation) |
| Dimensions (W x H x D) | Approx. 128 x 128 x 184 mm (5.04 x 5.04 x 7.24 in.) (excluding protrusions) |
| Weight | Approx. 2.2 kg (4.86 lb.) (camera body only) |