

Specifications

Camera	
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 (DyL), 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)

Shutter Speed	<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>
Shutter Speed Limit (Lower)	<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>
Flicker Reduction	Available
Optical filters	<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>
Focus	<p>Manual, One-shot AF AF frame: Large, small AF frame position: Center, specified area</p>
AGC Limit	Off/72.0 – 48.0 dB
Day/Night Switch	Auto/Day Mode/Night Mode
Color Bars	SMPTE, ARIB, EBU
Smart Shade Control (SSC)	Available
Haze Compensation	Available
Diffraction Correction	Available (excluding certain non-supported lenses)
Chromatic Aberration Correction	Available (excluding certain non-supported lenses)
Digital Zoom	Available, 10x (Max.)
On-Screen Display	Available, English/Japanese
Server	
Protocol	<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>
Interface	
LAN Terminal	RJ45 x 1 (for firmware update only)

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)