

TECHNICAL SPECIFICATIONS

CR-X300

CATEGORY		IP	
Model Type	Outdoor Remote PTZ Camera		[Frame frequency 59.94 Hz] 1920 x 1080: 59.94 fps, 29.97 fps, 14.99 fps, 5.00 fps (4:2:0 8 bit) 1280 x 720: 59.94 fps, 29.97 fps, 14.99 fps, 5.00 fps (4:2:0 8 bit) 640 x 360: 59.94 fps, 29.97 fps, 14.99 fps, 5.00 fps (4:2:0 8 bit)
Colour	Titanium white		[Frame frequency 29.97 Hz] 3840 x 2160: 29.97 fps, 14.99 fps, 5.00 fps (4:2:0 8 bit) 1920 x 1080: 29.97 fps, 14.99 fps, 5.00 fps (4:2:0 8 bit) 1280 x 720: 29.97 fps, 14.99 fps, 5.00 fps (4:2:0 8 bit) 640 x 360: 29.97 fps, 14.99 fps, 5.00 fps (4:2:0 8 bit)
CAMERA			[Frame frequency 50.00 Hz] 1920 x 1080: 50.00 fps, 25.00 fps, 12.50 fps, 5.00 fps (4:2:0 8 bit) 1280 x 720: 50.00 fps, 25.00 fps, 12.50 fps, 5.00 fps (4:2:0 8 bit) 640 x 360: 50.00 fps, 25.00 fps, 12.50 fps, 5.00 fps (4:2:0 8 bit)
Image Sensor	Type 1/2.3 (1/2.3 in.) single-plate CMOS sensor		[Frame frequency 25.00 Hz] 3840 x 2160: 25.00 fps, 12.50 fps, 5.00 fps (4:2:0 8 bit) 1920 x 1080: 25.00 fps, 12.50 fps, 5.00 fps (4:2:0 8 bit) 1280 x 720: 25.00 fps, 12.50 fps, 5.00 fps (4:2:0 8 bit) 640 x 360: 25.00 fps, 12.50 fps, 5.00 fps (4:2:0 8 bit)
Effective Pixels	approx. 8.29 megapixels (3840 x 2160)		[Frame frequency 23.98 Hz] 3840 x 2160: 23.98 fps, 11.99 fps, 5.99 fps (4:2:0 8 bit) 1920 x 1080: 23.98 fps, 11.99 fps, 5.99 fps (4:2:0 8 bit) 1280 x 720: 23.98 fps, 11.99 fps, 5.99 fps (4:2:0 8 bit) 640 x 360: 23.98 fps, 11.99 fps, 5.99 fps (4:2:0 8 bit)
Lens	f=3.67 – 73.4 mm, F/1.8 – 2.8, 20x optical zoom, 8-bladed circular aperture		– JPEG has one pattern fixed depending on the frame frequency (format is fixed and cannot be selected) Resolution: 1280 x 720 When frame frequency is 59.94/29.97 Hz: 14.99 fps, When frame frequency is 50.00/25.00 Hz: 12.50 fps, When frame frequency is 23.98 Hz: 11.99 fps
Optical zoom	20x optical zoom	USB	No
Digital zoom	20x digital zoom	Protocol	Protocol: XC (Canon's original), RTSP/RTP, NDI HX, RTMP/RTMPS, Standard Communication (Serial), Standard Communication (IP)
Focal Length	3.67 – 73.4 mm, f/1.8 – 2.8, 35mm equivalent focal length; [4K UHD] approx. 29.3 (W) – 601 mm (T) [Full HD] approx. 30.5 (W) – 627 mm (T)	Preset	Number of presets: Max. 100 (including home position)
Angle of View	[4K UHD] Horizontal: 65.6 (W) – 3.6° (T) Vertical: 39.8° (W) – 2.0° (T) [Full HD] Horizontal: 63.5 (W) – 3.4° (T) Vertical: 38.4° (W) – 1.9° (T)	INTERFACE	
Minimum Subject Illumination	Approx. 3.0 lux (shutter speed 1/60 sec., frame frequency 59.94 Hz (Programmed AE) shooting mode), auto slow shutter off)	Communication Control	LAN, Serial
Shutter Speed	1/6 – 1/2000 sec. (specific values depend on the frame frequency and frame rate)	Network Terminal	LAN x 1, RJ45, 1000Base-T
Iris	Manual/Automatic aperture	6G-SDI OUT Terminal	BNC jack (output only) x 1, 0.8 Vp-p/75 Ω, unbalanced SMPTE 2081, 424, 425, ST 299-2 compliant Embedded audio, Time code (VITC/LTC)
Gain	0.0 dB – 36 dB	GEN-LOCK Terminal	BNC jack x 1, 1.0 Vp-p/75 Ω, input only
ND Filter	ND filter: 1/8 at maximum Enhanced ND filter: 1/32	HDMI OUT Terminal	HDMI connector x 1, output only
IR Mode (IR Cut Filter Off)	Yes, Electrically switchable	RS-422 Terminal	RJ45 connector x 1
White Balance	AUTO (AWB), Set A, Set B, preset settings (daylight: 5,600 K*, tungsten lamp: 3,200 K*), colour temperature setting (2,000 K – 15,000 K), Manual * colour temperatures are given for reference purposes only.	AUDIO INPUT 1/INPUT 2 Terminals	No
Focus	Focus mode: Manual, Continuous AF, Face AF, Tracking AF type: Hybrid AF, Contrast AF	MIC Terminal	No
Minimum focusing distance	1 cm (0.39 in.) at full wide angle, 60 cm (2.0 ft.) (from the front window)	USB Terminal	No
Gamma	Normal1, Normal3	External Device I/O Terminal	AUX connector x 1
Pan and Tilt	Pan operation range: Horizontal ±180° Tilt operation range: Vertical -40° – +215° Operation Speed: 0.3° – 60°/sec.	OTHERS	
SERVER		Operating Environment	[Temperature/Humidity Resistance] Temperature Operating Temperature Range -15°C – +40°C (+5°F – +104°F) Start-up Temperature Range -10°C – +40°C (+14°F – +104°F) Humidity 90% or less (without condensation)
Video Output Format			[Survival Wind Speed] 15 m/sec.: Normal operation 30 m/sec.: Operation possible 60 m/sec.: Non destruction
SDI	3840 x 2160: 29.97P, 25.00P, 23.98P (4:2:2 10 bit) 1920 x 1080: 59.94P/59.94i, 50.00P/50.00i/25.00P, 29.97P/23.98P (4:2:2 10 bit) 1280 x 720: 59.94P, 50.00P (4:2:2 10 bit) – Same video format required for SDI and HDMI (cannot select different formats for SDI and HDMI) – When 3840 x 2160 is selected for SDI, video will not be outputted to HDMI.	Power Supply	PoE: PoE++ power supply via LAN connector (IEEE802.3at compliant) – PoE and PoE+ cannot be used External power source: 12 V DC (Use the included power cable with DC plug)
HDMI	3840 x 2160: 29.97P, 25.00P, 23.98P (4:2:2 10 bit) 1920 x 1080: 59.94P/59.94i, 50.00P/50.00i/25.00P, 29.97P/23.98P (4:2:2 10 bit) 1280 x 720: 59.94P, 50.00P (4:2:2 10 bit) – Same video format required for SDI and HDMI (cannot select different formats for SDI and HDMI) – When 3840 x 2160 is selected for HDMI, video will not be outputted to SDI.	Power Consumption	PoE++ Input: Approx. 39.8 W* max. (body only) DC Input: Approx. 37.7 W max. (body only) * Class 5 (40.0 W required) for power supply devices
		Dimensions (W x H x D)	Approx. 217 x 311 x 217 mm (8.54 x 12.24 x 8.54 in.) (excluding protrusions) Approx. 7.0 kg (15.5 lb.) (body only)
		Weight	IP65
		IP Rating	Equipped
		Wiper	NC45 or lower (when operating at 60°/sec.)
		Noise	



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