Specifications

Camera	
Color Options	Satin Black / Titanium White
Image Sensor	Type 1/2.3 (1/2.3 in.) single-plate CMOS sensor Total pixels: approx. 21.14 megapixels Effective pixels: approx. 8.29 megapixels (3840 x 2160)
Lens	f=3.67 – 73.4 mm, F/1.8 – 2.8, 20x optical zoom, 8-bladed circular aperture 35mm equivalent focal length: [4K UHD] approx. 29.3 (W) – 601 mm (T) [Full HD] approx. 30.5 (W) – 627 mm (T)
Zoom	Digital: 20x Optical: 20x
Lens Configuration	12 elements in 10 groups (including 2 aspheric elements)
Minimum Focusing Distance	1 cm (0.39 in.) at full wide angle, 60 cm (2.0 ft.) throughout the zoom range
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)
Shutter Speed	1/6 – 1/2000 sec. (specific values depend on the frame frequency and frame rate)
Iris	Manual/Automatic aperture
Gain	0.0 dB – 36 dB
White Balance	AUTO (AWB), Set A, Set B, preset settings (daylight: 5,600 K*, tungsten lamp: 3,200 K*), color temperature setting (2,000 K – 15,000 K), Manual *Color temperatures are given for reference purposes only.
Focus	Focus mode: Manual, Continuous AF, Face AF, Tracking AF type: Hybrid AF, Contrast AF
Gamma	Normal1 (Standard), Normal3 (BT.709)
Image Stabilizer	Optical-shift
Min. Subject Illumination	Approx. 1.5 lux (shutter speed 1/30 sec., frame rate 59.947P (P (Programmed AE) shooting mode, auto slow shutter on)
Pan and Tilt	Pan operation range: Horizontal ±170° Pan operation speed: 0.2° – 300°/sec. Tilt operation range: Vertical -30° – +100° Tilt operation speed: 0.2° – 180°/sec.
Video Output Format	
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)

IP	3840 x 2160: 29.97 fps, 14.99 fps, 5.00 fps (4:2:0 8 bit) 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) *If 59.94/50.00 Hz is selected for the frame frequency, the 3840 x 2160 format cannot be selected. *A frame rate that exceeds the frame frequency cannot be selected. *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 59.94/50.00 Hz: 14.99 fps, when frame frequency is 23.98 Hz: 11.99 fps, when frame frequency is 29.97/25.00 Hz: 12.50 fps
Supported Video and Control Protocols	Protocol: XC Protocol, RTSP/RTP, NDI®|HX, SRT, RTMP/RTMPS, Standard Protocol Communication (Serial), Standard Protocol Communication (IP)
Number of Presets	Max. 100 (including home position)
Interface	
Communication Control	LAN, Wi-Fi, Serial, IR
Network Terminal	LAN x 1, RJ45, 1000Base-T
HDMI OUT Terminal	HDMI connector x 1, output only
RS-422 Terminal	RJ45 connector x 1
Mic Terminal	3.5 mm stereo mini jack (unbalanced, plug-in power supported) Sensitivity (MIC): -72 dBV (Manual volume center, full scale -18 dB)/1 k or more/Att.: 20 dB Sensitivity (LINE): -10 dBV (Manual volume center, full scale -18 dB)/1 k or more Supply Voltage: 2.4 V DC (Bias resistance: 2.2 k)
USB Terminal	Type-C (USB 3.0) x 1
Other	
Operating Environment	Temperature: 0°C – +40°C (+32°F – +104°F) Humidity: 10% – 90% (without condensation)
Power Supply	PoE: PoE+ power supply via LAN connector (IEEE802.3at compliant) – PoE cannot be used External power source: 24 V DC (using included AC adaptor)
Power Consumption	PoE+ Input: Approx. 13.9 W max. (body only) DC Input: Approx. 13.3 W max. (body only)
Dimensions (W x H x D)	Approx. 154 x 178 x 164 mm (6.06 x 7.01 x 6.46 in.) (excluding protrusions)
Weight	Approx. 2.2 kg (4.86 lb.) (body only)
Supported Controllers	Hardware: RC-IP100, RC-IP1000 Software: Remote Camera Control Application