



# CR-N350

| Camera                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| Specification             | Parameter                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Color Options             | Satin Black / Titanium White                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Image Sensor              | 1/2.3-inch, CMOS (single board)<br>Total pixels: approx. 21.14 megapixels<br>29.97/25.00/23.98 Hz effective pixels: approx. 8.29 megapixels (3840 x 2160)<br>59.94/50.00 Hz effective pixels: approx. 7.88 megapixels (3744 x 2104)                                                                                                                                                                                                                       |
| Lens                      | f=3.67 – 73.4 mm, F/1.8 – 2.8, 20x optical zoom, 8-bladed iris diaphragm<br>59.94/50 Hz 35mm equivalent focal length: approx. 30mm (W) – 616 mm (T)<br>29.97/25.00/23.98 Hz 35mm equivalent focal length: approx. 29.3mm (W) – 601 mm (T)                                                                                                                                                                                                                 |
| Zoom                      | Optical: 20x<br>Digital: 20x<br>Advanced Zoom (Full HD): 40x                                                                                                                                                                                                                                                                                                                                                                                              |
| Lens Configuration        | 10 groups of 12 lenses (two aspherical lenses used)                                                                                                                                                                                                                                                                                                                                                                                                       |
| Minimum Focusing Distance | 1 cm at wide end, 60 cm across entire zooming range                                                                                                                                                                                                                                                                                                                                                                                                       |
| Angle of View             | 59.94/50.00 Hz Horizontal: 63.3 (W) – 3.5° (T) - Vertical: 38.9° (W) – 2.0° (T)<br>29.97/25.00/23.98 Hz Horizontal: 65.6 (W) – 3.6° (T) - Vertical: 39.8° (W) – 2.0° (T)                                                                                                                                                                                                                                                                                  |
| Shutter Speed             | 1/3 – 1/2000 sec. (specific values depend on the frame frequency)                                                                                                                                                                                                                                                                                                                                                                                         |
| Iris                      | Manual/Automatic aperture                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Gain                      | 0.0 db - 36.0 db                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ND Filter                 | Built-in (1/8 at maximum, gradation ND), motor operated                                                                                                                                                                                                                                                                                                                                                                                                   |
| 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                                                                                                                                                                                                                                                                                                             |
| Focus                     | Focus mode: Manual, Continuous AF, Face Detection & Tracking, Face only AF, Eye Detection.<br>AF type: Hybrid AF, Contrast AF                                                                                                                                                                                                                                                                                                                             |
| Gamma                     | BT.709 Wide DR, BT.709 Standard, Canon Log 3, Canon 709, HDR (PQ), HDR(HLG)                                                                                                                                                                                                                                                                                                                                                                               |
| Image Stabilizer          | Optical                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Min. Subject Illumination | Frame frequency 59.94/29.97 Hz:<br>Approx. 3 lux (at shutter speed 1/60 sec, frame rate 59.94P, gain 30.0 dB)<br>Approx. 1.5 (at shutter speed 1/30 sec, frame rate 59.94P, gain 30.0 dB)<br>Frame frequency 50.00/25.00 Hz:<br>Approx. 2.5 lux (at shutter speed 1/50 sec, frame rate 50.00P, gain 30 dB)<br>Approx. 1.3 lux (at shutter speed 1/25 sec, frame rate 50.00P, gain 21 dB)<br>*All of the above are when high sensitivity mode is set to On |
| Pan and Tilt              | Pan operation range: Horizontal $\pm 170^\circ$<br>Pan operation speed: 0.1° – 100°/sec. (Up to 200°/sec. with presets)<br>Tilt operation range: Vertical -30° – +100°<br>Tilt operation speed: 0.1° – 100°/sec. (Up to 180°/sec. with presets)                                                                                                                                                                                                           |

| Video Output Format                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| Specification                         | Parameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 3G-SDI                                | 1920 x 1080: 59.94P/59.94i/50.00P/50.00i/29.97P/25.00P/23.98P (4:2:2 10bit)<br>1280 x 720: 59.94p/50.00P (4:2:2 10bit)                                                                                                                                                                                                                                                                                                                                                                                                            |
| HDMI                                  | 3840 x 2160: 59.94P/50.00P/29.97P/25.00P/23.98P (4:2:2 10bit)<br>1920 x 1080: 59.94P/59.94i/50.00P/50.00i/29.97P/25.00P/23.98P (4:2:2 10bit)<br>1280 x 720: 59.94p/50.00P (4:2:2 10bit)<br>720x576: 50.00P (4:2:2 10bit)<br>720x480: 59.94P (4:2:2 10bit)                                                                                                                                                                                                                                                                         |
| IP                                    | 3840 x 2160: 59.94fps, 50.00fps, 29.97 fps, 25.00fps, 23.98fps, 14.99 fps, 12.50fps, 11.99fps, 5.99fps, 5.00 fps (4:2:0 8 bit)<br>1920 x 1080: 59.94fps, 50.00fps, 29.97 fps, 25.00fps, 23.98fps, 14.99 fps, 12.50fps, 11.99fps, 5.99fps, 5.00 fps (4:2:0 8 bit)<br>1280 x 720: 59.94fps, 50.00fps, 29.97 fps, 25.00fps, 23.98fps, 14.99 fps, 12.50fps, 11.99fps, 5.99fps, 5.00 fps (4:2:0 8 bit)<br>640 x 360: 59.94fps, 50.00fps, 29.97 fps, 25.00fps, 23.98fps, 14.99 fps, 12.50fps, 11.99fps, 5.99fps, 5.00 fps (4:2:0 8 bit) |
| Supported Video and Control Protocols | Protocol: XC Protocol, RTSP/RTP, NDI HX2, RTMP/RTMPS, Standard Communication (Serial), Standard Communication (IP), FreeD, SRT                                                                                                                                                                                                                                                                                                                                                                                                    |
| Number of Presets                     | Max. 100 (including home position)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Interface                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Specification                         | Parameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Communication Control                 | LAN, Wi-Fi, Serial, IR, USB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Network Terminal                      | LAN x 1, RJ45, 1000Base-T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 3G-SDI OUT Terminal                   | BNC jack x1 3G-SDI, 0.8 Vp-p/75 Ω<br>SMPTE ST 259, SMPTE ST 292, SMPTE ST 424/425, SMPTE ST2081, SMPTE ST 2082, SMPTE ST 272, SMPTE ST 299 compliant<br>Embedded audio, Time code (VITC/LTC)                                                                                                                                                                                                                                                                                                                                      |
| HDMI OUT Terminal                     | HDMI connector x 1, output only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| RS-422 Terminal                       | RJ45 connector x 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Mic Terminal                          | φ3.5 mm stereo mini jack (unbalanced, plug-in power supported)<br>Sensitivity (MIC): -72 dBV (Manual volume center, full scale -18 dB)/1 kΩ or more/Att.: 20 dB<br>Sensitivity (LINE): -12 dBV (Manual volume center, full scale -18 dB)/1 kΩ or more<br>Supply Voltage: 2.4 V DC (Bias resistance: 2.2 kΩ)                                                                                                                                                                                                                       |

| Other                  |                                                                                                                                                                        |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Specification          | Parameter                                                                                                                                                              |
| Operating Environment  | Temperature: 0°C – +40°C (+32°F – +104°F)<br>Humidity: 10% – 90% (without condensation)                                                                                |
| Storage Environment    | Temperature: 0°C – +40°C (+32°F – +104°F)<br>Humidity: 10% – 90% (without condensation)                                                                                |
| Power Supply           | PoE: PoE++ power supply via LAN connector (IEEE802.3bt compliant)<br>External power source: 12 V DC Terminal                                                           |
| Power Consumption      | PoE++ Input: Approx. 26.1 W max. (body only)<br>DC Input: Approx. 23.6 W max. (body only)                                                                              |
| Quietness              | NC35 or lower                                                                                                                                                          |
| Dimensions (W x H x D) | Approx. 176 x 220 x 194 mm (6.93 x 8.66 x 7.64 in.) (excluding protrusions)                                                                                            |
| Weight                 | Approx. 3.0 kg (6.6 lb.) (body only)                                                                                                                                   |
| Supported Controllers  | Hardware: RC-IP100, RC-IP1000<br>Software: Remote Camera Control Application, Mult-Camera Control Application, Multi-Camera Management Application, Camera Search tool |