

# CR-N350 ZOOM FURTHER. STREAM SMARTER. CAPTURE IT ALL

Positioned as the natural upgrade to the CR-N300, the CR-N350 builds on the same sensor size but elevates performance with a DIGIC DV7 image processor. For just a bit more, it delivers a wide range of image quality settings including HDR, 40x Advanced Zoom in Full HD and sharper auto-tracking accuracy, giving corporates and educators flexibility and precision.



4K60P<sup>1</sup> IMAGE QUALITY



20X OPTICAL AND 40X  
ADVANCED ZOOM



DIGIC DV7 PROCESSOR

## HDR

HDR IMAGERY



IP STREAMING AND  
CONTROL  
PROTOCOLS



AUTO TRACKING



## Shoot in stunning 4K60P<sup>1</sup>

Capture fleeting details with stunning 4K UHD at 60fps<sup>1</sup>. Achieve cinematic motion and precise control for professional-grade video that stands out in any production.

## Capture every detail with HDR imagery

Adapt seamlessly to any environment. With high dynamic range and flexible image settings, deliver sharp, vibrant footage that maintains professional quality in challenging classroom, studio, or event lighting.

## Zoom in on every moment

Get closer than ever without losing clarity. The 20x optical in 4K and 40x advanced zoom in Full HD bring distant subjects into focus, making it ideal for covering large venues, auditoriums, and live productions.

## Track every move automatically

Never miss a moment. The intelligent auto-tracking system and enhanced pan/tilt drive unit follows presenters with smooth, precise pan and tilt – even when they turn away – ensuring a polished, professional look at all times.

## Two feeds, more flexibility

Maximise your reach with simultaneous widescreen and vertical streaming. Perfect for hybrid events, social platforms, and live-commerce, giving you versatile content from a single live feed.



CR-N700



CR-N500



CR-N400

## PRODUCT RANGE



CR-N350



CR-N300



CR-N100



<sup>1</sup> Actual output is 3840 x 2160/59.94p. Effective number of pixels: approx. 7.9 megapixels.

## CAMERA

<b>Image Sensor</b>	Type 1/2.3 (1/2.3 in.) single-plate CMOS sensor				
<b>Effective Pixels</b>	approx. 8.29 megapixels (3840 x 2160 at 23.98 / 25 / 29.97Hz) approx. 7.88 megapixels (3744 x 2104 at 50 / 59.94Hz)				
<b>Lens</b>	f=3.67 – 73.4 mm, F/1.8 – 2.8, 20x optical zoom, 8-bladed iris diaphragm				
<b>Optical zoom</b>	20x optical zoom (40x with advanced zoom)				
<b>Digital zoom</b>	20x digital zoom				
<b>Focal Length</b>	3.67 – 73.4 mm, f/1.8 – 2.8, 35mm equivalent focal length: Approx. 30.0 (W) - 616 mm (T) (50 / 59.94Hz) Approx. 29.3 (W) - 601 mm (T) (23.98 / 25 / 29.97Hz)				
<b>Angle of View</b>	59.94/50.00 Hz frame frequency: Horizontal: 63.3° (W) – 3.5° (T) Vertical: 38.9° (W) – 2.0° (T) 29.97/25.00/23.98 Hz frame frequency: Horizontal: 65.6° (W) – 3.6° (T) Vertical: 39.8° (W) – 2.0° (T)				
<b>Minimum Subject Illumination</b>	<ul style="list-style-type: none"> <li>• 59.94/29.97 Hz frame frequency: <ul style="list-style-type: none"> <li>-Approx. 3 lux (with 1/60 sec. shutter speed, 59.94P frame rate, and 30.0 dB gain)</li> <li>-Approx. 1.5 lux (with 1/30 sec. shutter speed, 59.94P frame rate, and 30.0 dB gain)</li> </ul> </li> <li>• 50.00/25.00 Hz frame frequency: <ul style="list-style-type: none"> <li>-Approx. 2.5 lux (with 1/50 sec. shutter speed, 50.00P frame rate, and 30.0 dB gain)</li> <li>-Approx. 1.3 lux (with 1/25 sec. shutter speed, 50.00P frame rate, and 30.0 dB gain)</li> </ul> </li> </ul>				
<b>Shutter Speed</b>	1/3 – 1/2000 sec. (specific values depend on the frame frequency and frame rate)				
<b>Iris</b>	Manual/Automatic aperture				
<b>Gain</b>	0.0 dB – 36 dB				
<b>ND Filter</b>	Built-in (Off, 1/2, 1/4, 1/8), motor operated				
<b>Night Mode (IR Cut Filter Off)</b>	No				
<b>Optical Low-Pass Filter</b>	No				
<b>White Balance</b>	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				
<b>Focus</b>	Focus mode: Manual, Continuous AF, Face / Eye AF, Tracking AF type: Hybrid AF, Contrast AF				
<b>Minimum focusing distance</b>	1 cm at wide end, 60 cm across entire zooming range				
<b>Gamma</b>	BT.709 Wide DR, BT.709 Standard, Canon Log 3, Canon 709, PQ, HLG				
<b>Pan and Tilt</b>	Pan operation range: Horizontal ±170° Pan operation speed: 0.1° – 100°/sec. (Maximum speed at preset: 200.00°/sec.) Tilt operation range: Vertical -30° – +100° Tilt operation speed: 0.1° – 100°/sec. (Maximum speed at preset: 180.00°/sec.)				
<b>SERVER</b>					
<b>Video Output Format</b>	<table border="0"> <tr> <td style="vertical-align: top;"><b>SDI</b></td> <td>[3G-SDI] / 4:2:2 10-bit 1920 x 1080: 59.94P/59.94i, 50.00P/50.00i/25.00P, 29.97P/23.98P, 29.97PsF/25.00PsF 1280 x 720: 59.94P, 50.00P 720 x 576: 50.00i 720 x 480: 59.94i</td> </tr> <tr> <td style="vertical-align: top;"><b>HDMI</b></td> <td>[HDMI] / 4:2:2 10-bit 3840 x 2160: 59.94P, 50.00P, 29.97P, 25.00P, 23.98P 1920 x 1080: 59.94P/59.94i, 50.00P/50.00i/25.00P, 29.97P/23.98P, 29.97PsF/25.00PsF 1280 x 720: 59.94P, 50.00P 720 x 576: 50.00i 720 x 480: 59.94i</td> </tr> </table>	<b>SDI</b>	[3G-SDI] / 4:2:2 10-bit 1920 x 1080: 59.94P/59.94i, 50.00P/50.00i/25.00P, 29.97P/23.98P, 29.97PsF/25.00PsF 1280 x 720: 59.94P, 50.00P 720 x 576: 50.00i 720 x 480: 59.94i	<b>HDMI</b>	[HDMI] / 4:2:2 10-bit 3840 x 2160: 59.94P, 50.00P, 29.97P, 25.00P, 23.98P 1920 x 1080: 59.94P/59.94i, 50.00P/50.00i/25.00P, 29.97P/23.98P, 29.97PsF/25.00PsF 1280 x 720: 59.94P, 50.00P 720 x 576: 50.00i 720 x 480: 59.94i
<b>SDI</b>	[3G-SDI] / 4:2:2 10-bit 1920 x 1080: 59.94P/59.94i, 50.00P/50.00i/25.00P, 29.97P/23.98P, 29.97PsF/25.00PsF 1280 x 720: 59.94P, 50.00P 720 x 576: 50.00i 720 x 480: 59.94i				
<b>HDMI</b>	[HDMI] / 4:2:2 10-bit 3840 x 2160: 59.94P, 50.00P, 29.97P, 25.00P, 23.98P 1920 x 1080: 59.94P/59.94i, 50.00P/50.00i/25.00P, 29.97P/23.98P, 29.97PsF/25.00PsF 1280 x 720: 59.94P, 50.00P 720 x 576: 50.00i 720 x 480: 59.94i				

## IP

[Frame frequency 59.94 Hz]	3840 x 2160, 1920 x 1080, 1280 x 720, 640 x 360: 59.94 fps, 29.97 fps, 14.99 fps, 5.00 fps (4:2:0 8 bit)
[Frame frequency 29.97 Hz]	3840 x 2160, 1920 x 1080, 1280 x 720, 640 x 360: 29.97 fps, 14.99 fps, 5.00 fps (4:2:0 8 bit)
[Frame frequency 50.00 Hz]	3840 x 2160, 1920 x 1080, 1280 x 720, 640 x 360: 50.00 fps, 25.00 fps, 12.50 fps, 5.00 fps (4:2:0 8 bit)
[Frame frequency 25.00 Hz]	3840 x 2160, 1920 x 1080, 1280 x 720, 640 x 360: 25.00 fps, 12.50 fps, 5.00 fps (4:2:0 8 bit)
[Frame frequency 23.98 Hz]	3840 x 2160, 1920 x 1080, 1280 x 720, 640 x 360: 23.98 fps, 11.99 fps, 5.99 fps (4:2:0 8 bit) *59.94 fps/50.00 fps is only when H.265. – JPEG has one pattern fixed depending on the frame frequency (format is fixed and cannot be selected) Resolution: 1280 x 720 59.94/29.97 Hz: 14.99 fps, 50.00/25.00 Hz: 12.50 fps, 23.98 Hz: 11.99 fps
<b>USB</b>	<ul style="list-style-type: none"> <li>Motion JPEG: <ul style="list-style-type: none"> <li>1920 x 1080</li> <li>59.94 Hz: 30.00 fps, 15.00 fps, 5.00 fps</li> <li>50.00 Hz: 25.00 fps, 12.50 fps, 5.00 fps</li> <li>1280 x 720</li> <li>59.94 Hz: 30.00 fps, 15.00 fps, 5.00 fps</li> <li>50.00 Hz: 25.00 fps, 12.50 fps, 5.00 fps</li> <li>640 x 360</li> <li>59.94 Hz: 30.00 fps, 15.00 fps, 5.00 fps</li> <li>50.00 Hz: 25.00 fps, 12.50 fps, 5.00 fps</li> </ul> </li> <li>YUV: <ul style="list-style-type: none"> <li>640 x 360</li> <li>59.94 Hz: 30.00 fps, 15.00 fps, 5.00 fps</li> <li>50.00 Hz: 25.00 fps, 12.50 fps, 5.00 fps</li> </ul> </li> </ul>
<b>Protocol</b>	Canon XC, RTSP/RTP, NDI HX, RTMP/RTMPS, Standard Communication (Serial), Standard Communication (IP), SRT, FreeD
<b>Preset</b>	Number of presets: Max. 100 (including home position)

## Protocol

## Preset

## INTERFACE

<b>Communication Control</b>	LAN, Wi-Fi, Serial, IR
<b>Network Terminal</b>	LAN x 1, RJ45, 1000Base-T
<b>12G-SDI OUT Terminal</b>	No
<b>6G-SDI OUT Terminal</b>	No
<b>3G-SDI OUT Terminal</b>	BNC jack (output only) x 1, 0.8 Vp-p/75 Ω, unbalanced SMPTE 424, SMPTE 425, SMPTE ST 299-2 compliant Embedded audio, Time code (VITC/LTC)
<b>GEN-LOCK Terminal</b>	No
<b>TIME CODE Terminal</b>	No
<b>HDMI OUT Terminal</b>	HDMI connector (Type A), both video and audio are output only
<b>RS-422 Terminal</b>	RJ45 connector x 1
<b>AUDIO INPUT 1/INPUT 2 Terminals</b>	No

## MIC Terminal

## USB Terminal

φ 3.5 mm stereo mini-jack (unbalanced; supports plug-in power)
Sensitivity (MIC): -72 dBu (manual volume center, -18 dB full scale)
Sensitivity (LINE): -12 dBV (manual volume center, -18 dB full scale)
Supply Voltage: 2.4 V DC (bias resistance: 2.2 kΩ)
Type-C (USB 3.0) x 1

## OTHERS

### 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  
(IEEE802.3bt compliant)

– PoE and PoE+ cannot be used  
External power source: 12 V DC (using included AC  
adaptor)

### Power Consumption

PoE++ Input: Approx. 26.1 W/0.6 A max. (body  
only)

DC Input: Approx. 23.6 W/2.0 A max. (body only)

### Dimensions (W x H x D)

\* Class 5 (40.0 W required) for power supply devices  
Approx. 176 x 220 x 194 mm (excluding protrusions)

### Weight

Approx. 3.0 kg (6.6 lb.) (body only)

### Noise

NC35 or less

## ZOOM FURTHER. STREAM SMARTER. CAPTURE IT ALL

# CR-N350

Positioned as the natural upgrade to the CR-N300, the CR-N350 builds on the same sensor size but elevates performance with a DIGIC DV7 image processor. For just a bit more, it delivers a wide range of image quality settings including HDR, 40x Advanced Zoom in Full HD and sharper auto-tracking accuracy, giving corporates and educators flexibility and precision.



### What's in the box

#### CR-N350

- CR-N350 Main Unit
- Ceiling Plate
- Ceiling Plate Fixing Screw
- Safety Wire
- Camera-to-Mount Safety Wire
- AC Adapter
- AC Cable (EU/OTH)
- Remote Controller
- Battery
- Printed Matter Unit
- Packaging