



CR-N350

IDEAL FOR

Education



Auditoriums



Public Sector



KEY FEATURES AND TECHNOLOGY

Shoot in stunning 4K60P¹

Capture fleeting details with stunning 4K UHD at 60fps¹. 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.

Work with all major protocols

Integrate seamlessly into any workflow. With compatibility for NDI|HX², SRT, FreeD, RTP/RTSP, RTMP/RTMPS, Canon XC Protocol, Standard Communication, enjoy reliable, flexible streaming and control across platforms and applications.

¹Actual output is 3840 x 2160/59.94p. Effective number of pixels: approx. 79 megapixels.
²NDI is a trademark or registered trademark of Vizrt NDI AB in the United States and other countries.

PAIR WITH



RC-IP1000



SKAARHOJ RC-SK5



RC-IP100

RANGE COMPARISON



CR-N700



CR-N500



CR-N400



CR-N350



CR-N300



CR-N100

	Exceptional 4K60P professional PTZ camera with 12G-SDI connectivity and class-leading auto focus with intelligent head detection and eye tracking.	With a 15x optical zoom, 4K UHD shooting capabilities and Dual Pixel Auto Focus, the CR-N500 allows for precise control and seamless IP streaming with exceptional results	Capture live productions with stunning 4K60P ¹ HDR imagery and zoom in up to 40x in Full HD – plus auto track subjects smoothly and integrate seamlessly with 12G-SDI, Time Code, Genlock and Dual XLR.	Elevate live productions with the CR-N350. Capture remotely in 4K60P ¹ with HDR imagery, zoom up to 40x in Full HD and track smoothly – built for professional performance.	Equipped with 4K UHD resolution, a 20x optical zoom, Hybrid Auto Focus, numerous IP streaming and control protocols, you can engage your audience in new ways.	A high quality 4K PTZ camera with advanced autofocus, 20x optical zoom and multiple IP protocols.
Sensor Size	1.0-Type CMOS	1.0-Type CMOS	1/2.3-Type CMOS	1/2.3-Type CMOS	1/2.3-Type CMOS	1/2.3-Type CMOS
Maximum Resolution	4K UHD 60P 4:2:2 10-bit ²	4K UHD 30P 4:2:2 10-bit ³	4K UHD 60P 4:2:2 10-bit ²	4K UHD 60P 4:2:2 10-bit ⁴	4K UHD 30P 4:2:2 10-bit ³	4K UHD 30P 4:2:2 10-bit ³
Optical Zoom	15x optical zoom (30 x with advanced zoom)	15x optical zoom	20x Optical (40x with advanced zoom)	20x Optical (40x with advanced zoom)	20x Optical	20x Optical
Focussing System	Dual Pixel CMOS AF / iTR AF X / Eye AF	Dual Pixel CMOS AF / Face Detection	Hybrid AF / iTR AF X / Eye AF	Hybrid AF / iTR AF X / Eye AF	Hybrid AF / Face Detection	Hybrid AF / Face Detection
Protocol support	NDI HX ⁴ , SRT, FreeD, XC Protocol, RTSP/RTP, RTMP/RTMPS, Standard Communication	NDI HX ⁴ , SRT, FreeD, XC Protocol, RTSP/RTP, RTMP/RTMPS, Standard Communication	NDI HX ⁴ , SRT, FreeD, XC Protocol, RTSP/RTP, RTMP/RTMPS, Standard Communication	NDI HX ⁴ , SRT, FreeD, XC Protocol, RTSP/RTP, RTMP/RTMPS, Standard Communication	NDI HX ⁴ , SRT, FreeD, XC Protocol, RTSP/RTP, RTMP/RTMPS, Standard Communication	NDI HX ⁴ , SRT, XC Protocol, RTSP/RTP, RTMP/RTMPS, Standard Communication
Video Output I/F	12G-SDI/3G-SDI/HDMI/IP	3G-SDI/HDMI/IP	12G-SDI/3G-SDI/HDMI/USB-C/IP	3G-SDI/HDMI/USB-C/IP	3G-SDI/HDMI/USB-C/IP	HDMI/USB-C/IP
Mic input I/F	XLR/3.5mm mini jack	XLR/3.5mm mini jack	XLR/3.5mm mini jack	3.5mm mini jack	3.5mm mini jack	3.5mm mini jack

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

² 12G-SDI and HDMI output

³ HDMI output

⁴ NDI is a trademark or registered trademark of Vizrt NDI AB in the United States and other countries.

RELATED PRODUCTS



CR-N500

With a 15x optical zoom, 4K UHD shooting capabilities and Dual Pixel Auto Focus with built-in intelligent Auto Tracking, the CR-N500 allows for precise control and seamless IP streaming with exceptional results.



CR-N400

A pro-level PTZ camera with 4K60P¹ with HDR imagery, 20x Optical Zoom and 40x Advanced Zoom, and comprehensive connectivity with built-in intelligent Auto Tracking.



CR-N300

Equipped with 4K UHD resolution, a 20x optical zoom, Hybrid Auto Focus with built-in intelligent Auto Tracking, numerous IP streaming and control protocols, you can engage your audience in new ways.



CR-N100

A high quality 4K PTZ camera with advanced autofocus, 20x optical zoom and multiple IP protocols with built-in intelligent Auto Tracking.

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

CAMERA

Image Sensor	Type 1/2.3 (1/2.3 in.) single-plate CMOS sensor
Effective Pixels	approx. 8.29 megapixels (3840 x 2160 at 23.98 / 25 / 29.97Hz) approx. 7.88 megapixels (3744 x 2104 at 50 / 59.94Hz)
Lens	f=3.67 – 73.4 mm, F/1.8 – 2.8, 20x optical zoom, 8-bladed iris diaphragm
Optical zoom	20x optical zoom (40x with advanced zoom)
Digital zoom	20x digital zoom
Focal Length	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)
Angle of View	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)
Minimum Subject Illumination	• 59.94/29.97 Hz frame frequency: -Approx. 3 lux (with 1/60 sec. shutter speed, 59.94P frame rate, and 30.0 dB gain) -Approx. 1.5 lux (with 1/30 sec. shutter speed, 59.94P frame rate, and 30.0 dB gain) • 50.00/25.00 Hz frame frequency: -Approx. 2.5 lux (with 1/50 sec. shutter speed, 50.00P frame rate, and 30.0 dB gain) -Approx. 1.3 lux (with 1/25 sec. shutter speed, 50.00P frame rate, and 30.0 dB gain)
Shutter Speed	1/3 – 1/2000 sec. (specific values depend on the frame frequency and frame rate)
Iris	Manual/Automatic aperture
Gain	0.0 dB – 36 dB
ND Filter	Built-in (Off, 1/2, 1/4, 1/8), motor operated
Night Mode (IR Cut Filter Off)	No
Optical Low-Pass Filter	No
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 / Eye AF, Tracking AF type: Hybrid AF, Contrast AF
Minimum focusing distance	1 cm at wide end, 60 cm across entire zooming range
Gamma	BT.709 Wide DR, BT.709 Standard, Canon Log 3, Canon 709, PQ, HLG
Pan and Tilt	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.)

SERVER

Video Output Format	SDI	[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
	HDMI	[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
USB	Motion JPEG: 1920 x 1080 59.94 Hz: 30.00 fps, 15.00 fps, 5.00 fps 50.00 Hz: 25.00 fps, 12.50 fps, 5.00 fps 1280 x 720 59.94 Hz: 30.00 fps, 15.00 fps, 5.00 fps 50.00 Hz: 25.00 fps, 12.50 fps, 5.00 fps 640 x 360 59.94 Hz: 30.00 fps, 15.00 fps, 5.00 fps 50.00 Hz: 25.00 fps, 12.50 fps, 5.00 fps YUV: 640 x 360 59.94 Hz: 30.00 fps, 15.00 fps, 5.00 fps 50.00 Hz: 25.00 fps, 12.50 fps, 5.00 fps
Protocol	Canon XC, RTSP/RTP, NDI HX, RTMP/RTMPS, Standard Communication (Serial), Standard Communication (IP), SRT, FreeD
Preset	Number of presets: Max. 100 (including home position)

Protocol

Preset

INTERFACE

Communication Control	LAN, Wi-Fi, Serial, IR
Network Terminal	LAN x 1, RJ45, 1000Base-T
12G-SDI OUT Terminal	No
6G-SDI OUT Terminal	No
3G-SDI OUT Terminal	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)
GEN-LOCK Terminal	No
TIME CODE Terminal	No
HDMI OUT Terminal	HDMI connector (Type A), both video and audio are output only RJ45 connector x 1
RS-422 Terminal	No
AUDIO INPUT 1/INPUT 2 Terminals	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

MIC Terminal

USB Terminal

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