

CR-N400

IDEAL FOR

Concerts and gatherings



Newsrooms and studios



Sports and special moments



KEY FEATURES AND TECHNOLOGY

Shoot in stunning 4K60P¹

Deliver breathtaking 4K60P¹ video and enjoy ultra-sharp detail with smooth motion, making fast action events, live sports, and cinematic scenes look lifelike and immersive.

Capture every detail with HDR imagery

Reveal every highlight and shadow with HDR imaging thanks to the DIGIC DV7 processor that ensures sharp clarity, vivid contrast, and lifelike colour, no matter how challenging the lighting conditions.

Connect like a pro

Integrate seamlessly with 12G-SDI, Time Code, Genlock, and Dual XLR inputs. Built for professional workflows, it ensures fast setup, reliable performance, and total studio compatibility.

Zoom further than ever

Bring the action closer with the lineup's longest 40x Advanced Zoom in Full HD. Perfect for arenas, stadiums, and auditoriums, it captures crystal-clear shots even from the furthest seats.

Track every move automatically

Rely on advanced Auto tracking with face and head detection, precision motion tracking, and smooth pan/tilt movements and enhanced pan/tilt drive unit to keep every subject framed and in focus – without a camera operator.

Match colours instantly

Achieve consistent, broadcast-ready colours with ease. The enhanced Camera Colour Matching Application quickly aligns the CR-N400 with your existing cameras for consistent, professional results.

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

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 ³	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-N700

An exceptional 4K60P professional PTZ camera with 12G-SDI connectivity and class-leading auto focus with built-in intelligent Auto Tracking.



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-N350

An advanced PTZ camera with 4K60P¹ with HDR imagery, 20x optical zoom in 4K and 40x Advanced Zoom in Full HD plus 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.

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

CAMERA		IP	
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) • 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)		
Minimum Subject Illumination	1/3 – 1/2000 sec. (specific values depend on the frame frequency and frame rate) Manual/Automatic aperture 0.0 dB – 36 dB		
Shutter Speed	Built-in (Off, 1/2, 1/4, 1/8), motor operated		
Iris	No		
Gain	No		
ND Filter	No		
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		

OTHERS

Operating Environment

Temperature

0°C – +40°C (+32°F – +104°F)

Humidity

10% – 90% (without condensation)

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)

PoE++ Input: Approx. 34.4 W*/0.8 A max. (body only)

DC Input: Approx. 33.8 W/2.9 A max. (body only)

Power Supply

Power Consumption

Dimensions (W x H x D)

Weight

Noise

* Class 5 (40.0 W required) for power supply devices

Approx. 176 x 220 x 194 mm (excluding protrusions)

Approx. 3.1 kg (6.8 lb.) (body only)

NC35 or less