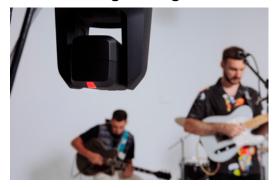


IDEAL FOR

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.

PAIR WITH







RC-IP1000

SKAARHOJ RC-SK5

RC-IP100

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



RANGE COMPARISON







CR-N400







CR-N700

CR-N500

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

XLR/3.5mm mini jack

Capture live productions with stunning 4K60P¹ 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 Capture remotely in 4K60P¹ 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.

	tracking.
Sensor Size	1.0-Type CMOS
Maximum Resolution	4K UHD 60P 4:2:210-bi
Optical Zoom	15x optical zoom (30 x with advanced

Sensor Size	1.0-Type CMOS	1.0-Type CMOS
Maximum Resolution	4K UHD 60P 4:2:2 10-bit ²	4K UHD 30P 4:2:2 10-bit ³
Optical Zoom	15x optical zoom	15x optical zoom

zoom)

4K UHD 60P 4:2:2 10-bit ²

(40x with advanced zoom)

4K UHD 60P 4:2:2 10-bit ³	4K

1/2.3-Type CMOS

20x Optical

(40x with advanced

zoom)

UHD 30P 4:2:2 10-bit3 4K UHD 30P 4:2:2 10-bit3

1/2.3-Type CMOS

Focussing
System

Dual Pixel CMOS AF / iTR AF X/ Eye AF Dual Pixel CMOS AF/ Face Detection NDI|HX⁴, SRT, FreeD, XC Protocol, RTSP/RTP, RTMP/RTMPS, Standard

Hybrid AF/ iTR AF X/ Eye AF NDI|HX⁴, SRT, FreeD, XC Protocol, RTSP/RTP, RTMP/RTMPS, Standard

Hybrid AF/ iTR AF X/ Eye AF

Hybrid AF/ Face Detection Hybrid AF/ Face Detection

20x Optical

Protocol support

Communication Communication 12G-SDI/3G-SDI/HDMI/IP 3G-SDI/HDMI/IP **Video Output** I/F

XLR/3.5mm mini jack

NDI|HX⁴, SRT, FreeD, XC Protocol, RTSP/RTP, RTMP/RTMPS, Standard Communication

12G-SDI/3G-SDI/HDMI/ USB-C/IP

NDI|HX⁴, SRT, FreeD, XC Protocol, RTSP/RTP, RTMP/RTMPS, Standard Communication

3G-SDI/HDMI/USB-C/IP

3.5mm mini jack

NDI|HX⁴, SRT, FreeD, XC Protocol, RTSP/RTP, RTMP/RTMPS, Standard Communication

3G-SDI/HDMI/USB-C/IP

3.5mm mini jack

1/2.3-Type CMOS

20x Optical

NDI|HX⁴, SRT, XC Protocol, RTSP/RTP, RTMP/ RTMPS. Standard Communication

HDMI/USB-C/IP

3.5mm mini jack

Mic input I/F

Actual output is 3840 x 2160/59.94p. Effective number of pixels: approx. 7.9 megapixels. 12C-SDI and HDMI output 1 HDMI output

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-N350

An advanced PTZ camera with 4K60Pl with HDR imagery, 20x optical zoom in 4K and 40x Advanced Zoom in Full HD plus 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-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.

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

TECHNICAL SPECIFICATIONS

CR-N400

CAMERA [Frame frequency 59.94 Hz] 3840×2160 , 1920×1080 , 1280×720 , 640×360 : 59.94 fps, 29.97 fps, 14.99 fps, 5.00 fps (4:2:0~8~bit)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 / [Frame frequency 29.97 Hz] 3840 x 2160, 1920 x 1080, 1280 x 720, 640 x 360: 29 97Hz) 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) approx. 7.88 megapixels (3744 x 2104 at 50 / 59.94Hz) f=3.67 - 73.4 mm F/1.8 - 2.8. 20x optical zoom 8-Lens bladed iris diaphragm Optical zoom 20x optical zoom (40x with advanced zoom) Digital zoom 20x digital zoom 3.67 - 73.4 mm, f/1.8 - 2.8, Focal Length 35mm equivalent focal length: Approx. 30.0 (W) - 616 mm (T) (50 / 59.94Hz) *59.94 fps/50.00 fps is only when H.265. Approx. 29.3 (W) - 601 mm (T) (23.98 / 25 / 29.97Hz) - JPEG has one pattern fixed depending on the frame 59.94/50.00 Hz frame frequency: Horizontal: 63.3° (W) – 3.5° (T) Angle of View frequency (format is fixed and cannot be selected) Resolution: 1280 x 720 Vertical: 38.9° (W) – 2.0° (T) 29.97/25.00/23.98 Hz frame frequency: 59.94/29.97 Hz: 14.99 fps, 50.00/25.00 Hz: 12.50 fps, Horizontal: 65.6° (W) – 3.6° (T) Vertical: 39.8° (W) – 2.0° (T) • 59.94/29.97 Hz frame frequency: 23.98 Hz: 11.99 fps USB Motion JPEG: Minimum Subject 1920 x 1080 -Approx. 3 lux (with 1/60 sec. shutter speed, 59.94P frame rate, and 30.0 dB gain) Illumination 59.94 Hz: 30.00 fps, 15.00 fps, 5.00 fps 50.00 Hz: 25.00 fps, 12.50 fps, 5.00 fps -Approx. 1.5 lux (with 1/30 sec. shutter speed, 59.94P frame rate, and 30.0 dB gain) 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 • 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) 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 -Approx. 1.3 lux (with 1/25 sec. shutter speed, 50.00P frame rate, and 30.0 dB gain) 640 x 360 1/3 - 1/2000 sec. (specific values depend on the Shutter Speed 59.94 Hz: 30.00 fps, 15.00 fps, 5.00 fps 50.00 Hz: 25.00 fps, 12.50 fps, 5.00 fps frame frequency and frame rate) Manual/Automatic aperture Iris Protocol Canon XC, RTSP/RTP, NDIJHX, RTMP/RTMPS, Gain $0.0 \, dB = 36 \, dB$ Standard Communication (Serial), Standard Communication (IP), SRT, FreeD ND Filter Built-in (Off, 1/2, 1/4, 1/8), motor operated Night Mode No Number of presets: Max. 100 (including home position) (IR Cut Filter Off) Optical Low-Pass Filter INTERFACE White Balance AUTO (AWB), Set A, Set B, preset settings (daylight: LAN, Wi-Fi, Serial, IR Communication Control 5,600 K*, tungsten lamp: 3,200 K*), color temperature setting (2,000 K – 15,000 K), LAN x 1, RJ45, 1000Base-T Network Terminal BNC jack (output only) x 1, 0.8 Vp-p/75 Ω , SMPTE ST 2082, 2081, 424, 425, 292, 259, 299, 272 Focus Focus mode: Manual, Continuous AF, Face / Eye 12G-SDI OUT Terminal AF, Tracking AF type: Hybrid AF, Contrast AF Embedded audio, Time code (VITC/LTC) 6G-SDI OUT Terminal Minimum focusing distance 1 cm at wide end, 60 cm across entire zooming No range BNC jack (output only) x 1, 0.8 Vp-p/75 Ω , unbalanced SMPTE 424, SMPTE 425, SMPTE ST 299-2 compliant BT.709 Wide DR, BT.709 Standard, Canon Log 3, 3G-SDI OUT Terminal Canon 709 PO HI G Embedded audio, Time code (VITC/LTC) Pan operation range: Horizontal ±170° Pan and Tilt GEN-LOCK Terminal BNC jack (also serves as the SYNC OUT terminal) Pan operation speed: 0.1° – 100°/sec. (Maximum speed at preset: 200.00°/sec.) TIME CODE Terminal BNC jack (for both input/output) HDMI connector (Type A), both video and audio are Tilt operation range: Vertical -30° – +100° HDMI OUT Terminal output only Tilt operation speed: 0.1° – 100°/sec. (Maximum speed at preset: 180.00°/sec.) RS-422 Terminal RJ45 connector x 1 XLR 3-pin jack (balanced) ((1) shield, (2) hot, (3) cold), two lines SERVER Sensitivity (MIC): -60 dBu (manual volume center, -18 AUDIO INPUT 1/INPUT 2 [12G-SDI] / 4:2:2 10-bit 3840 x 2160: 59.94P, 50.00P, 29.97P, 25.00P, Video SDI dB full scale Output Sensitivity (LINE): +4 dBu (manual volume center, -18 1920 x 1080: 59.94P/59.94i, 50.00P/50.00i/25.00P, Supply Voltage: 48 V DC (bias resistance: 6.8 kΩ) 29.97P/23.98P, 29.97PsF/25.00PsF 1280 x 720: 59.94P, 50.00P φ 3.5 mm stereo mini-jack (unbalanced; supports plug-720 x 576: 50.00i 720 x 480: 59.94i Sensitivity (MIC): -72 dBu (manual volume center, -18 [3G-SDI] / 4:2:2 10-bit 1920 x 1080: 59.94P/59.94i, 50.00P/50.00i/25.00P, MIC Terminal dB full scale) Sensitivity (LINE): -12 dBV (manual volume center, -18 29.97P/23.98P, 29.97PsF/25.00PsF 1280 x 720: 59.94P, 50.00P dB full scale) Supply Voltage: 2.4 V DC (bias resistance: 2.2 kΩ) 720 x 576: 50.00i 720 x 480: 59.94i Type-C (USB 3.0) x 1 **USB Terminal** HDM [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



TECHNICAL SPECIFICATIONS

CR-N400

OTHERS

Power Supply

Operating Environment

Temperature 0°C - +40°C (+32°F - +104°F)

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 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

