



# CLOSE THE DISTANCE WITH UNRIVALLED CLARITY

Welcome to the latest generation of Canon's indoor remote PTZ cameras and controllers. Canon's solution offers a remote 4K production package for all situations, bringing smooth pan and tilt functionality along with exceptional image quality to indoor applications while our hardware controller and free of charge software controller provide the means to control and adjust from a remote location.

## INTRODUCING THE CR-N500 & CR-N300



**CR-N300**

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.



**CR-N500**

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



**CR-X500**

With a robust and weatherproof housing plus 4K UHD resolution, 15x optical zoom, 12G-SDI and Dual Pixel CMOS AF, the CR-X500 is the ideal PTZ camera for remote productions and monitoring outdoors.

## TARGET AUDIENCES AND APPLICATIONS

The CR-N500 and CR-N300 are part of Canon's 4K PTZ camera range suitable for a wide variety of applications:

Corporate  
Live Streaming

TV Studio and Broadcast  
Houses of Worship

Higher Education

## CR-N500 KEY FEATURES & TECHNOLOGY

### Powerful 4K imagery

The 1.0-type CMOS Sensor and DIGIC DV6 processor work in unison to deliver exceptional 4K UHD/30p image quality as well as upscaled Full HD/60p images thanks to over sampled HD processing.

### Stabilised 15x Optical Zoom to get closer

Canon's advanced 4K optics make sure greater detail is captured, and flexibility assured, with a 15x optical zoom (25.5-382.5mm 35mm equivalent), providing a wide angle to telephoto field of view. Canon's advanced four-axis image stabilisation ensures high quality image capture

**IP Streaming and Control to transform your production** A comprehensive range of IP control and streaming protocols<sup>1</sup> up to 4K UHD 30p (such as NDI | HX<sup>2</sup>, RTMP, RTP/ RTSP, RTMPS, Canon's XC Protocol and Standard Communication) are included, making the CR-N500 an ideal solution for new or existing systems.

### Excellent imagery in low light

The CR-N500 produces high quality imagery with low noise, even with a minimum illumination of 1.5 lux. The large 1.0- type CMOS sensor and the DIGIC DV6 processor ensure the image quality retains its integrity even in the most challenging of lighting conditions.

### Dual Pixel CMOS AF keeps it sharp

The CR-N500 features Canon's renowned Dual Pixel CMOS Auto Focus system which provides extremely quick and accurate focus via multiple modes.

### Extensive Connectors for ease of use

The CR-N500 features a host of connections to ensure the ultimate flexibility, including a 3G-SDI

video output, full-sized HDMI port (supporting 4K UHD 30p at 4:2:2 10-bit), professional XLR audio inputs, as well as a PoE+ LAN port to allow for easy system integration.

### Smooth and precise control

The CR-N500 is equipped with a high-precision drive mechanism enabling fine adjustments of the Pan and Tilt movement and speed ensuring the perfect shot. Compatible with the RC-IP100 and Remote Camera Control Application, the CR-N500 is also compatible with selected third-party controllers.

### HDR Imagery, with versatile image quality adjustments

Achieve stunning HDR imagery with Canon Log 3 and Wide Dynamic Range Support. Both technologies ensure the best HDR imagery can be achieved for applications where postproduction or a quick turnaround is required. The in-built image adjustment settings also ensure flexible and bespoke imagery to colour match with other cameras.

<sup>1</sup> Supports 4K UHD signal over IP at 29.97p, 4:2:0 8-bit. Supports 4K UHD signal over HDMI at 29.97p, 4:2:2 10-bit

<sup>2</sup> NDI is a trademark or registered trademark in the United States and other countries

## CR-N300 KEY FEATURES & TECHNOLOGY

### Razor Sharp 4K Imagery

A 1/2.3-type CMOS Sensor and DIGIC DV6 processor combine to deliver exceptional 4K UHD imagery (up to 30p), or outstanding Full HD footage thanks to over sampled HD processing. These technologies provide an image quality with superior levels of detail fit for any production.

### 20x Optical zoom for incredible flexibility

Capture all the detail you need, thanks to Canon's advanced 4K optics which feature a flexible 20x optical zoom covering a broad focal range of 29.3-601mm (35mm equivalent), ensuring great flexibility. Equipped with image stabilisation, for minimal image disruption when moving.

### IP Streaming and Control to transform your productions

The CR-N300 boasts a comprehensive range of IP control and streaming protocols<sup>1</sup> up to 4K UHD 30p allowing for greater control for your production needs. Featuring major protocols such as NDI | HX<sup>2</sup>, RTMP, RTP/RTSP, RTMPS and Canon's XC Protocol and Standard Communication, it will fit into most new or most existing systems, making it an extremely flexible option.

### Hybrid AF for precise focus

The CR-N300 combines high-precision contrast AF with high-speed phase-detection AF, ensuring rapid and accurate focusing of the subject, even in low light conditions. Equipped with a bespoke external sensor which measures the distance to the subject and compares the point of focus with that determined by the Contrast AF system. This Hybrid AF system is particularly effective in low light situations and provides fast, accurate and reliable Autofocus with greater accuracy than Contrast AF alone.

### Flexible connectivity for your workflow

The CR-N300 features a whole host of connections to ensure the ultimate flexibility in workflows. Featuring a HDMI port which can achieve 4K UHD, 4:2:2 10-bit. The camera also boasts a 3G-SDI port, USB Port, 3.5mm Audio Input and a PoE LAN port.

### Smooth, precise control

The CR-N300 is equipped with a high-precision drive mechanism, enabling the Pan and Tilt movement to be finely adjusted at variable speeds using controllers such as RC-IP100, Remote Camera Control Application or a tablet via Wi-Fi, to capture the perfect shot.

### Image Presets for Quick and Easy Use

The CR-N300 is equipped with multiple Image Presets that allow for quick and easy adjustments of video settings for specific environments. The user can also register up to 100 preset positions on the CR-N300 making productions simple and easy.

### Small and compact for easy installation

The CR-N300 is small and discreet at 154 x 178 x 164 mm (W x H x D) and weighs just 2.2kg making it ideal to be installed in environments where space is at a premium.

<sup>1</sup> Supports 4K UHD signal over IP at 29.97p, 4:2:0 8-bit. Supports 4K UHD signal over HDMI at 29.97p, 4:2:2 10-bit

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# PTZ RANGE



	CR-N300	CR-N500	CR-X500
	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.	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	With a robust and weatherproof housing plus 4K UHD resolution, 15x optical zoom, 12G-SDI and Dual Pixel CMOS AF, the CR-X500 is the ideal PTZ camera for remote productions and monitoring outdoors.
<b>SENSOR SIZE</b>	1/2.3 - inch Type CMOS Sensor	1 - inch Type CMOS Sensor	1-inch Type CMOS Sensor
<b>OPTICAL ZOOM</b>	20x Optical Zoom	15x Optical Zoom	15x Optical Zoom (30x Advanced) <sup>1</sup>
<b>FOCUSSING SYSTEM</b>	Hybrid Auto Focus	Dual Pixel CMOS Auto Focus	Dual Pixel CMOS Auto Focus
<b>VIDEO OUTPUTS</b>	HDMI, 3G-SDI, USB & IP <sup>2</sup>	HDMI, 3G-SDI & IP <sup>3</sup>	12G-SDI <sup>4</sup>
<b>MAXIMUM RESOLUTION OUTPUT</b>	4K UHD 30P	4K UHD 30P	4K UHD 60p
<b>INDOOR / OUTDOOR</b>	Indoor	Indoor	Outdoor

1 - 30x advanced zoom in FHD

2 - HDMI - 4K UHD/30P/25P, 4:2:2 10-bit; 3G-SDI - FHD 30P/25P 4:2:2 10-bit; IP - 4K UHD/30P 4:2:0 8-bit

3 - HDMI - up to 4K UHD/30P/25P, 4:2:2 10-bit; 3G-SDI - FHD 30P/25P 4:2:2 10-bit; IP - up to 4K UHD/30P 4:2:0 8-bit

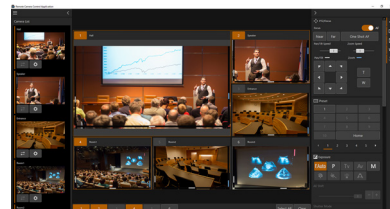
4 - 12G-SDI - up to 4K UHD/60P/50P 4:2:2 10-bit (depending on region)

## RELATED PRODUCTS



**RC-IP100**

A high quality controller with a multi-function joystick and intuitive touchscreen for easy control of up to 100 connected cameras.



**Remote camera control application**

Free to download Canon software to control and adjust settings on up to 20 PTZ cameras from your PC or tablet.

Live for the story\_