



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-N100

			
CR-N100	CR-N300	CR-N500	CR-N700
<p>A high quality 4K PTZ camera with advanced autofocus, 20x optical zoom and multiple IP protocols with the option for intelligent Auto Tracking.</p>	<p>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.</p>	<p>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.</p>	<p>Exceptional 4K60P professional PTZ camera with 12G-SDI connectivity and class-leading auto focus with intelligent head detection and eye tracking.</p>

TARGET AUDIENCES AND APPLICATIONS

The CR-N100 is a part of Canon's 4K PTZ camera range suitable for a wide variety of applications:



Corporates



Education



Content Creators



Live Event

CR-N100 KEY FEATURES & TECHNOLOGY

Outstanding 4K Imagery and HD oversampling

Capture powerful 4K UHD and superior Full HD images thanks to a 4K 1/2.3" type CMOS sensor and DIGIC DV6 image processor. Over Sampling HD processing delivers Full HD images from the 4K sensor which results in true-to-life HD video.

20x Optical zoom delivers incredible flexibility

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

Precise focusing with Hybrid AF

Combining high-precision contrast AF with high-speed phase-detection AF, the CR-N100 delivers rapid and accurate focusing of the subject, even in low light conditions. The CR-N100 PTZ camera has an external sensor measuring subject distance, and compares the point of focus with that determined by the Contrast AF system. This Auto Focus system delivers faster and more accurate focussing than conventional contrast AF, assisting the camera operator.

Accurate Auto Tracking¹

Unlock the potential to automatically track the main speaker with face detection as they move on stage. Achieve your ideal tracking setup with multiple adjustments, such as composition size, tracking sensitivity, exclusion zones, priority display area and more.

Multiple protocols for easy streaming and control

The CR-N100 features NDI|HX² and SRT that produce high quality video streams for a variety of productions even under unstable network conditions. Stream seamlessly using RTMP/RTMPS to either Facebook or YouTube. Canon XC protocol unlocks the potential to control CR-N100 in a multiple PTZ camera system alongside Canon camcorder products.

Smooth and precise control

The CR-N100 has a high-precision drive mechanism for fine Pan and Tilt movement as slow as 0.2°/s. Compatible with the RC-IP100, RC-IP1000 controller and Remote Camera Control Application controllers, it can also be configured with selected third-party units.

Comprehensive connectivity

Connect flexibly with HDMI or IP (PoE+) both supporting 4K30P, the CR-N100 also includes a USB-C port, Serial Port (RS422) and a 3.5mm Audio Jack.

Multi-camera Management Application Compatible

The CR-N100 is compatible with the Multi-camera Management App. Manage up to 200 different cameras and/or controllers simultaneously making managing your Canon PTZ camera system easy and seamless. Update firmware, perform the initial set-up for all cameras and more.

¹ Auto Tracking app: paid licence required.

² NDI is a trademark or registered trademark of NewTek, Inc. in the United States and other countries.



Live for the story_

PTZ RANGE



	CR-N100	CR-N300	CR-N500	CR-N700
	A high quality 4K PTZ camera with advanced autofocus, 20x optical zoom and multiple IP protocols with the option for intelligent Auto Tracking.	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	Exceptional 4K60P professional PTZ camera with 12G-SDI connectivity and class-leading auto focus with intelligent head detection and eye tracking.
Sensor Size	1/2.3-Type CMOS	1/2.3-Type CMOS	1.0-Type CMOS	1.0-Type CMOS
Maximum Resolution	4K UHD 30P 4:2:2 10-bit ¹	4K UHD 30P 4:2:2 10-bit ¹	4K UHD 30P 4:2:2 10-bit ¹	4K UHD 60P 4:2:2 10-bit ²
Optical Zoom	20x Optical	20x Optical	15x Optical	15x Optical
Focussing System	Hybrid AF/ Face Detection	Hybrid AF/ Face Detection	Dual Pixel CMOS AF/ Face Detection	Dual Pixel CMOS AF / iTR AF X/ Eye AF
Protocol support	NDI HX, SRT, XC Protocol, RTSP/RTP, RTMP/RTMPS, Standard Communication	NDI HX, SRT ³ , FreeD ³ , XC Protocol, RTSP/RTP, RTMP/RTMPS, Standard Communication	NDI HX, SRT ³ , FreeD ³ , XC Protocol, RTSP/RTP, RTMP/RTMPS, Standard Communication	NDI HX, SRT, FreeD, XC Protocol, RTSP/RTP, RTMP/RTMPS, Standard Communication
Video Output I/F	HDMI/USB-C/IP	3G-SDI/HDMI/ USB-C/ IP	3G-SDI/HDMI/IP	12G-SDI/3G-SDI/HDMI/IP
Mic input I/F	3.5mm mini jack	3.5mm mini jack	XLR/3.5mm mini jack	XLR/3.5mm mini jack

¹ HDMI output

² 12G-SDI and HDMI output

³ Available via firmware update

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.

