

CR-N700



IDEAL FOR

Broadcast & Live Events



TV Studios



Virtual Production



KEY FEATURES AND TECHNOLOGY

4K detail for imaging excellence

A 1.0-Type CMOS sensor and DIGIC DV7 processor deliver 4K UHD 60P imagery in up to 4:2:2 10-bit 12G-SDI and HDMI for broadcast-standard image quality, plus 4K60P over IP.

Class-leading optical precision

The CR-N700's high-performance lens has a 15x optical zoom (25.5mm - 382.5mm, 35mm equivalent) plus a 30x Advanced Zoom when shooting in Full HD. And when conditions are unstable, Canon's renowned Image Stabilizer captures optimal footage.

Award-winning Auto Focus technology

Fast, intelligent, and extremely accurate focussing via multiple modes thanks to Canon's proprietary Dual Pixel CMOS AF technology with advanced EOS iTR AF X and Eye detection.

Multiple protocols for seamless integration

The CR-N700 features SRT and ND|HX¹ that produce high quality video streams for broadcasters. RTMP/RTMPS, RTP/RTSP, Canon XC Protocol and Standard Communication Protocol are also included, plus FreeD for integration into virtual productions.

Comprehensive connectivity

Connect flexibly with 12G-SDI, HDMI or IP (PoE++) all supporting 4K60P, as well as professional dual XLR audio inputs. CR-N700 also includes 3G-SDI, TimeCode, GEN-LOCK.

Powerful HDR imagery and low light capture

Achieve stunning HDR imagery with direct recording into either PQ or HLG formats. A range of custom picture settings includes Canon Log 3 and Wide Dynamic Range to match other Canon cameras' look.

Accurate 4K Auto Tracking²

Unlock the potential to track the main speaker with face detection as they move around the stage, automatically. Capable of multiple adjustments, settings such as composition size, tracking sensitivity, exclusion zones, priority display area and more mean the ideal tracking set-up can be easily achieved.

Crop function – single camera, two video feeds

Select and extract a point of interest via a separate feed. The chosen area can then be output as a main or secondary signal and up to two cropped areas can be set in FHD.

Night Mode

Capture footage in near-darkness thanks to IR Mode, which extends the spectrum visible to the camera.

¹ NDI is a trademark or registered trademark of NewTek, Inc. in the United States and other countries

² Free Auto Tracking App RA-AT001 (Lite) available via new FW, 1.1.0 or later. Paid license is necessary for full functionality of auto tracking.

RANGE COMPARISON



CR-N100



CR-N300



CR-N500



CR-N700

A high quality 4K PTZ camera with advanced autofocus, 20x optical zoom and multiple IP protocols.

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

¹HDMI output
²12G-SDI and HDMI output

RELATED PRODUCTS



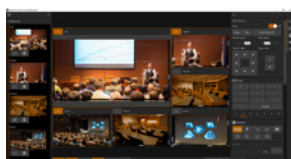
RC-IP100

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



RC-IP1000

Control and monitor up to 200 cameras using this professional PTZ controller with a 7-inch multi-function touchscreen, an ergonomic joystick and zoom rocker plus buttons and dials for precise control.



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.



Multi Camera Management Application

A PC application that allows multiple cameras and controllers to be set up, monitored, and managed from a single software application.