

REMOTE PTZ RANGE

CLOSE THE
DISTANCE
WITH
UNRIVALLED
CLARITY



	CR-N700	CR-N500	CR-N400	CR-N350	CR-N300	CR-N100
	Indoor PTZ Camera available in Satin black/Titanium white	Indoor PTZ Camera available in Satin Black/Titanium White	Indoor PTZ Camera available in Satin Black/Titanium White	Indoor PTZ Camera available in Satin Black/Titanium White	Indoor PTZ Camera available in Satin Black/Titanium White	Indoor PTZ Camera available in Satin Black/Titanium White
SENSOR TYPE	Type 1.0 (1.0 in.) single-plate CMOS sensor	Type 1.0 (1.0 in.) single-plate CMOS sensor	Type 1/2.3 (1/2.3 in.) single-plate CMOS sensor	Type 1/2.3 (1/2.3 in.) single-plate CMOS sensor	Type 1/2.3 (1/2.3 in.) single-plate CMOS sensor	Type 1/2.3 (1/2.3 in.) single-plate CMOS sensor
EFFECTIVE PIXELS	approx. 8.29 megapixels (3840 x 2160)	approx. 8.29 megapixels (3840 x 2160)	approx. 8.29 megapixels (3840 x 2160 at 23.98 / 25 / 29.97Hz) approx. 7.88 megapixels (3744 x 2104 at 50 / 59.94Hz)	approx. 8.29 megapixels (3840 x 2160 at 23.98 / 25 / 29.97Hz) approx. 7.88 megapixels (3744 x 2104 at 50 / 59.94Hz)	approx. 8.29 megapixels (3840 x 2160)	approx. 8.29 megapixels (3840 x 2160)
OPTICAL ZOOM	15x optical zoom (30 x with advanced zoom)	15x optical zoom	20x optical zoom (40x with advanced zoom)	20x optical zoom (40x with advanced zoom)	20x optical zoom	20x optical zoom
DIGITAL ZOOM	20x digital zoom	20x digital zoom	20x digital zoom	20x digital zoom	20x digital zoom	20x digital zoom
FOCAL LENGTH	8.3 – 124.5 mm, f/2.8 – 4.5, 35mm equivalent focal length: approx. 25.5 (W) – 382.5 mm (T)	8.3 – 124.5 mm, f/2.8 – 4.5, 35mm equivalent focal length: approx. 25.5 (W) – 382.5 mm (T)	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)	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)	3.67 – 73.4 mm, f/1.8 – 2.8, 35mm equivalent focal length: [4K UHD] approx. 29.3 (W) – 601 mm (T) [Full HD] approx. 30.5 (W) – 627 mm (T)	3.67 – 73.4 mm, f/1.8 – 2.8, 35mm equivalent focal length: [4K UHD] approx. 29.3 (W) – 601 mm (T) [Full HD] approx. 30.5 (W) – 627 mm (T)
MINIMUM SUBJECT ILLUMINATION	Approx. 1.5 lux (1/30 sec. shutter speed, 59.94P frame rate, 21 dB gain)	Approx. 1.5 lux (1/30 sec. shutter speed, 33 dB gain)	Approx. 1.5 lux (1/30 sec. shutter speed, 59.94P frame rate, 30 dB gain)	Approx. 1.5 lux (1/30 sec. shutter speed, 59.94P frame rate, 30 dB gain)	Approx. 1.5 lux (1/30 sec. shutter speed, P (Programmed AE) shooting mode, auto slow shutter on)	Approx. 1.5 lux (1/30 sec. shutter speed, P (Programmed AE) shooting mode, auto slow shutter on)
ND FILTER	Built-in (Off, 1/4, 1/16, 1/64), Motor-operated	Built-in (Off, 1/4, 1/16, 1/64), Motor-operated	Built-in (1/8 at maximum, gradation ND), Motoroperated	Built-in (1/8 at maximum, gradation ND), Motoroperated	Built-in (1/8 at maximum, gradation ND), Motoroperated	Built-in (1/8 at maximum, gradation ND), motor operated
NIGHT MODE	Yes	-	-	-	-	-
FOCUS TYPE	Dual Pixel CMOS AF	Dual Pixel CMOS AF	Hybrid AF	Hybrid AF	Hybrid AF	Hybrid AF
FOCUS MODES	Manual, AF-boosted MF, Continuous AF, Face / Eye AF, Tracking	Manual, AF-boosted MF, Continuous AF, Face AF, Tracking	Manual, Continuous AF, Face / Eye AF, Tracking	Manual, Continuous AF, Face / Eye AF, Tracking	Manual, Continuous AF, Face AF, Tracking	Manual, Continuous AF, Face AF, Tracking
PAN & TILT	Pan operation range: Horizontal ±170° Pan operation speed: 0.1° – 100°/sec. Tilt operation range: Vertical -30° – +90° Tilt operation speed: 0.1° – 100°/sec.	Pan operation range: Horizontal ±170° Pan operation speed: 0.1° – 100°/sec. Tilt operation range: Vertical -30° – +90° Tilt operation speed: 0.1° – 100°/sec.	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.)	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.)	Pan operation range: Horizontal ±170° Pan operation speed: 0.2° – 100°/sec. (Maximum speed at preset: 300.00°/sec.) Tilt operation range: Vertical -30° – +100° Tilt operation speed: 0.2° – 100°/sec. (Maximum speed at preset: 180.00°/sec.)	Pan operation range: Horizontal ±170° Pan operation speed: 0.2° – 100°/sec. (Maximum speed at preset: 300.00°/sec.) Tilt operation range: Vertical -30° – +100° Tilt operation speed: 0.2° – 100°/sec. (Maximum speed at preset: 180.00°/sec.)
PROTOCOLS*	Canon XC Protocol, RTSP/RTP, NDI HX*, RTMP/RTMPS, Standard Communication (Serial), Standard Communication (IP), SRT, FreeD	Canon XC Protocol, RTSP/RTP, NDI HX*, RTMP/RTMPS, Standard Communication (Serial), Standard Communication (IP), SRT, FreeD	Canon XC Protocol, RTSP/RTP, NDI HX*, RTMP/RTMPS, Standard Communication (Serial), Standard Communication (IP), SRT, FreeD	Canon XC Protocol, RTSP/RTP, NDI HX*, RTMP/RTMPS, Standard Communication (Serial), Standard Communication (IP), SRT, FreeD	Canon XC Protocol, RTSP/RTP, NDI HX*, RTMP/RTMPS, Standard Communication (Serial), Standard Communication (IP), SRT, FreeD	Canon XC Protocol, RTSP/RTP, NDI HX*, RTMP/RTMPS, Standard Communication (Serial), Standard Communication (IP), SRT
VIDEO OUTPUT CONNECTIONS	12G-SDI/3G-SDI/HDMI/IP	3G-SDI/HDMI/IP	12G-SDI/3G-SDI/HDMI/IP & USB	3G-SDI/HDMI/IP & USB	3G-SDI/HDMI/IP & USB	HDMI/IP & USB
VIDEO FORMAT (SDI)	[12G-SDI] Up to 4K UHD 60P/50P 4:2:2 10-bit [3G-SDI] Up to FHD 60P/50P 4:2:2 10-bit	Up to FHD 60P/50P 4:2:2 10-bit	[12G-SDI] Up to 4K UHD 60P/50P 4:2:2 10-bit [3G-SDI] Up to FHD 60P/50P 4:2:2 10-bit	Up to FHD 60P/50P 4:2:2 10-bit	Up to FHD 60P/50P 4:2:2 10-bit	-
VIDEO FORMAT (HDMI)	Up to 4K UHD 60P/50P 4:2:2 10-bit	Up to 4K UHD 30P/25P 4:2:2 10-bit	Up to 4K UHD 60P/50P 4:2:2 10-bit	Up to 4K UHD 60P/50P 4:2:2 10-bit	Up to 4K UHD 30P/25P 4:2:2 10-bit	Up to 4K UHD 30P, 4:2:2 10-bit
VIDEO FORMAT (IP)	Up to 4K UHD 60fps/50fps 4:2:0-8bit	Up to 4K UHD 30fps/25fps 4:2:0-8bit	Up to 4K UHD 60fps/50fps 4:2:0-8bit	Up to 4K UHD 60fps/50fps 4:2:0-8bit	Up to 4K UHD 30fps/25fps 4:2:0-8bit	Up to 4K UHD 30fps/25fps 4:2:0-8bit
OPERATING ENVIRONMENT	Temperature 0°C – +40°C (+32°F – +104°F) Humidity 10% – 90% (without condensation)	Temperature 0°C – +40°C (+32°F – +104°F) Humidity 10% – 90% (without condensation)	Temperature 0°C – +40°C (+32°F – +104°F) Humidity 10% – 90% (without condensation)	Temperature 0°C – +40°C (+32°F – +104°F) Humidity 10% – 90% (without condensation)	Temperature 0°C – +40°C (+32°F – +104°F) Humidity 10% – 90% (without condensation)	Temperature 0°C – +40°C (+32°F – +104°F) Humidity 10% – 90% (without condensation)
POWER SUPPLY	PoE: PoE++ power supply via LAN connector (IEEE802.3bt compliant) – PoE and PoE+ cannot be used External power source: 12 V DC	PoE: PoE+ power supply via LAN connector (IEEE802.3at compliant) – PoE cannot be used External power source: 24 V DC (using included AC adaptor)	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: 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: PoE+ power supply via LAN connector (IEEE802.3at compliant) – PoE cannot be used External power source: 24 V DC (using included AC adaptor)	PoE: PoE+ power supply via LAN connector (IEEE802.3at compliant) – PoE cannot be used External power source: 24 V DC (using included AC adaptor)
POWER CONSUMPTION*	PoE++ Input: Approx. 37.4 W*1.2 A max. (body only) DC Input: Approx. 36.7 W/3.5 A max. (body only) *Class 5 (40.0 W required) for power supply devices	PoE+ Input: Approx. 19.6 W* max. (body only) DC Input: Approx. 18.6 W max. (body only) *Class 4 (25.5 W required) for power supply devices	PoE++ Input: Approx. 34.4 W*0.8 A max. (body only) DC Input: Approx. 33.8 W/2.9 A max. (body only) *Class 5 (40.0 W required) for power supply devices	PoE++ Input: Approx. 26.1 W*0.6 A max. (body only) DC Input: Approx. 23.6 W/2.0 A max. (body only) *Class 5 (40.0 W required) for power supply devices	PoE+ Input: Approx. 16.2 W* max. (body only) DC Input: Approx. 15.0 W max. (body only) *Class 4 (25.5 W required) for power supply devices	PoE+ Input: Approx. 16.2 W* max. (body only) DC Input: Approx. 15.0 W max. (body only) *Class 4 (25.5 W required) for power supply devices
DIMENSIONS	Approx. 200 x 269 x 208 mm (excluding protrusions)	Approx. 200 x 269 x 208 mm (excluding protrusions)	Approx. 176 x 220 x 194 mm (excluding protrusions)	Approx. 176 x 220 x 194 mm (excluding protrusions)	Approx. 154 x 178 x 164 mm (excluding protrusions)	Approx. 154 x 178 x 164 mm (excluding protrusions)
WEIGHT	Approx. 4.4 kg (9.7 lb.) (body only)	Approx. 4.1 kg (9.04 lb.) (body only)	Approx. 3.1 kg (6.8 lb.) (body only)	Approx. 3.0 kg (6.6 lb.) (body only)	Approx. 2.2 kg (4.86 lb.) (body only)	Approx. 2.2 kg (4.86 lb.) (body only)
NOISE	NC35 or less	NC35 or less	NC35 or less	NC35 or less	NC35 or less	NC35 or less

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



REMOTE PTZ RANGE

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	CR-X500	CR-X300
	Outdoor PTZ Camera available in Titanium White	Outdoor PTZ Camera available in Titanium White
SENSOR TYPE	Type 1.0 (1.0 in.) single-plate CMOS sensor	Type 1/2.3 (1/2.3 in.) single-plate CMOS sensor
EFFECTIVE PIXELS	approx. 8.29 megapixels (3840 x 2160)	approx. 8.29 megapixels (3840 x 2160)
OPTICAL ZOOM	15x optical zoom (30 x with advanced zoom)	20x optical zoom
DIGITAL ZOOM		20x digital zoom
FOCAL LENGTH	8.3 – 124.5 mm, f/2.8 – 4.5, 35mm equivalent focal length: approx. 25.5 (W) – 382.5 mm (T)	3.67 – 73.4 mm, f/1.8 – 2.8, 35mm equivalent focal length: [4K UHD] approx. 29.3 (W) – 601 mm (T) [Full HD] approx. 30.5 (W) – 627 mm (T)
MINIMUM SUBJECT ILLUMINATION	Approx. 2.5 lux (1/50 sec. shutter speed, 33 dB gain)	Approx. 1.5 lux (1/30 sec. shutter speed, P (Programmed AE) shooting mode, auto slow shutter on)
ND FILTER	Built-in (Off, 1/4, 1/16, 1/64), Motor-operated	ND filter: 1/8 at maximum Enhanced ND range, 1/32 - 1/256
NIGHT MODE	-	Yes
FOCUS TYPE	Dual Pixel CMOS AF	Hybrid AF
FOCUS MODES	Manual, AF-boosted MF, Continuous AF, Face AF, Focus Tracking	Manual, Continuous AF, Face AF, Tracking
PAN & TILT	Pan operation range: Horizontal ±180° Tilt operation range: Vertical -40° – +215° Operation Speed: 0.04° – 60°/sec.	Pan operation range: Horizontal ±180° Tilt operation range: Vertical -40° – +215° Operation Speed: 0.3° – 60°/sec.
PROTOCOLS*	U-4/NU	Canon XC Protocol, RTSP/RTP, ND IHX*, RTMP/RTMPS, Standard Communication (Serial), Standard Communication (IP), SRT, NU
VIDEO OUTPUT CONNECTIONS	12G-SDI	6G-SDI/HDMI/IP
VIDEO FORMAT (SDI)	Up to 4K UHD 60P/50P 4:2:2 10-bit	Up to 4K UHD 30P/25P 4:2:2 10-bit
VIDEO FORMAT (HDMI)	-	Up to 4K UHD 30P/25P 4:2:2 10-bit
VIDEO FORMAT (IP)	-	Up to 4K UHD 30fps/25fps 4:2:0-8bit
OPERATING ENVIRONMENT	Temperature Range -15 -40 °C Humidity 90% or Less (No condensation)	Temperature Range -15°C – +40°C (+5°F – +104°F) Humidity 90% or less (no condensation)
POWER SUPPLY	10.5 DC -15 V 90W	PoE: PoE++ power supply via LAN connector (IEEE802.3bt compliant) – PoE and PoE+ cannot be used External power source: 12 V DC (Use the included power cable with DC plug)
POWER CONSUMPTION*	10.5 DC -15 V 90W	PoE++ Input: Approx. 39.8 W* max. (body only) DC Input: Approx. 37.7 W max. (body only) *Class 5 (40.0 W required) for power supply devices
DIMENSIONS	Approx. 337 x 390 x 386 mm (Excluding Waterproof Tubes)	Approx. 217 x 311 x 217 mm (8.54 x 12.24 x 8.54 in.) (excluding protrusions)
WEIGHT	Approx. 17 kg	Approx. 7.0 kg (15.5 lb.) (body only)
IP RATING	IP55	IP65
WIPER	Equipped	Equipped
NOISE	NC55 or lower (when operating at 10°/sec)	NC45 or lower (when operating at 60°/sec.)

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