Technical Specifications:

Model	CR420-5x	
Optical Zoom	5X	
FOV	Horizontal: 26.51°（tele）～79.18°（wide） vertical: 15.29°（tele）～49.22°（wide）	
Aperture	F2.0 - F2.8±5%	
Image Sensor	1/2.5 Inch SONY CMOS Sensor	
Effective pixels	8.51M; 16:9	
Video Format	**HDMI Video Output Format:** 4KP60, 4KP50, 4KP30, 4KP25, 1080P60, 1080P50, 1080i 60, 1080i 50, 1080P30, 1080P25, 720P60, 720P50 **USB3.0 Video Output Format:** YUY2/NV12: 1920×1080P30, 1280×720P30, 1024×576P30, 960×540P30, 800×448P30, 640×360P30, 640×480P30, 320×176P30 MJPEG/H.264: 1920×1080P30, 1280×720P30, 1024×576P30, 960×540P30, 800×448P30, 640×360P30, 640×480P30, 320×176P30 **USB3.0 downward compatible USB2.0**: YUY2/NV12: 640×360P30, 640×480P30, 320×176P30 MJPEG/H.264: 3840×2160P30, 1920×1080P30, 1280×720P30, 1024×576P30, 960×540P30, 800×448P30, 640×360P30, 640×480P30, 320×176P30	
Minimum Illumination	0.05Lux (F1.8, AGC ON)	
DNR	2D & 3D DNR	
White Balance	Auto / Manual/ One Push/ Specified Color Temperature	
Focus	Auto / Manual/ One Push	
exposure mode	Auto/ Manual / Shutter Priority / Aperture Priority / Brightness priority	
Aperture	F1.8 - F11, CLOSE	
shutter speed	1/25 - 1/10000	
BLC	OFF/ON	
Dynamic range	OFF/ Dynamic Level Adjustment	
Video Adjustment	Brightness, Color, Saturation, Contrast, Sharpness, B/W mode, Gamma curve	
SNR	≥50dB	

Interface Features	
Interfaces	HDMI, LAN(POE), USB3.0（Type B, compatible with USB2.0）, A-IN, RS232-in & out; RS422（Compatible with RS485）, Dial switch, DC12V, Power Switch
Video Compression	LAN: H.264, H.265 USB 3.0: MJPG, H264, YUY2, NV12
Audio-in Interface	Double track 3.5mm linear Input
Audio out	HDMI, LAN, USB3.0
Audio Compression	AAC, MP3, G.711A
LAN	10M/100M/1000M adaptive Ethernet port, support POE and audio/video output
Network Protocol	RTSP, RTMP, ONVIF, GB/T28181, VISCA Control Protocols, Remote Upgrade, reboot and reset
Control Interface	RS232-IN, RS232-OUT, RS422 (RS485)

Serial Protocol	VISCA/ Pelco-D / Pelco-P; Baud rare: 115200/38400/9600/4800/2400
USB Communication Protocol	UVC（video），UAC（audio）
Power Interface	HEC3800 (DC12V)
Power Adapter	In: AC110V-AC220V ; Out: DC12V/2.5A
Input Voltage	DC12V±10%
Input Current	<1A
Power Consumption	<12W

PTZ Parameters	
Pan Rotation	-170°～+170°
Tilt Rotation	-30°～+90°
Pan Control Speed	0.1°/s～120°/s
Tilt Control Speed	0.1°/s～80°/s
Preset Speed	Pan: 120°/s，Tilt: 80°/s
Preset Number	255 Presets (10 presets by remote control)

Other Parameters	
Storage Temperature	-10℃～+60℃
Storage Humidity	20%～95%
Working Temperature	-10℃～+50℃
Working Humidity	20%～80%
Dimension	181（L）mm×115mm（W）×149mm（H）
Usage	1.15 kg
Storage Temperature	Indoor

Accessories	
Standard	Power supply and adapter,RS232 Cable,USB3.0 Cable, IR remote control, User Manual
Optional	Wall / Ceiling Mount

Dimension: (unit: mm)