RC841S
4K PTZ Camera

4K UHD **NDI® | HX** **USB2.0** **12X Optical Zoom**

◉ AI tracking
With the help of the AI computing power of the chip, the camera is equipped with advanced AI algorithms to realize monocular humanoid tracking, which can realize automatic tracking of scenes such as education, conferences and live broadcasts.

◉ NDI｜HX2
NDI｜HX2 has the characteristics of low delay and plug and play, which is convenient for project implementation and deployment. It has a good ecology and supports the simultaneous transmission of audio, video and control commands. It is a new generation of network video transmission mode.

◉ 4K UHD
The new generation of Sony 1 / 2.5-inch high-quality UHD CMOS sensor with a maximum of 8.51 million pixels can realize 4K (3840x2160) ultra-high-resolution high-quality images. And downward compatible with 1080p, 720p and other resolutions.

◉ HDMI2. 0
Support hdmi2 0 interface, which can directly output 4kp60 uncompressed digital video.

◉ 71° Wide-angle Lens + 12x Optical Zoom
Exclusively customized high-quality 8.51million ultra-high resolution 4K super wide-angle lens, 12x optical zoom, horizontal field of view up to 71°.

◉ Low illumination
The new CMOS image sensor with ultra-high sex noise ratio can effectively reduce the image noise under low illumination. The application of 3D noise reduction algorithm can greatly reduce the image noise. Even under ultra-low illumination, the picture remains clean and clear, and the image signal-to-noise ratio is more than 55dB.

◉ Rich and perfect interfaces
Support hdmi2.0 HD output, equipped with 3g-sdi interface, 3G-SDI effective transmission range up to 150 m (1080p30). HDMI or 3g-sdi, USB and LAN can output 3 HD digital signals at the same time.

◉ Remote control
Multiple control modes, RS232, RS485, network and USB can be used to control the camera.

◉ Gravity sensor（Optional）
It supports the automatic image flipping function, which is convenient for engineering installation and use.

Camera	
Video System	HDMI：4K@60fps,4K@59.94fps, 4K@50fps,4K@30fps, 4K@25fps, 4K@29.97fps, 1080P@60fps, 1080P@50fps, 1080I@60ps,1080I@50fpss, 1080P@30ps,1080P@59.94ps, 1080I@59.94fps, 1080P@29.97fps, 720P@60fps,720P@59.94fps. 3G-SDI:1080p/60, 1080p/50, 1080p/30, 1080p/29.97, 1080p/59.94, 1080p/25;1080i/60, 1080i/50, 1080i/59.94fps; 720p/60, 720p/59.94;
Sensor	1 / 2.5-inch high-quality UHD CMOS sensor with a maximum of 8.51 million pixels
Scanning Mode	Progressive scanning
Lens	12x, f = 4.4mm ~ 52.8mm, F1.8 ~ F2.6
Digital Zoom	16x
Minimal Illumination	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Automatic, indoor, outdoor, one touch, manual，VAR
Backlight Compensation	Supported
Digital Noise Reduction	3D digital noise reduction
Video S/N	≥55dB
Horizontal Angle of View	71° ~ 8.2°
Vertical Angle of View	42.7° ~ 4.5°
Horizontal Rotation Range	±170°
Vertical Rotation Range	-30° ~ +90°
Pan Speed Range	1.7° ~ 100°/s
Tilt Speed Range	1.7° ~ 69.9°/s
H & V Flip	Supported
Image Freeze	Supported
PoE	Supported
Number of Preset	Supported
Preset Accuracy	0.1°

USB Featured	
Operate System	Windows 7, Windows 8, Windows 10, Windows 11, Mac OS X, Linux, Android
Color System / Compression	YUY2 / H.264 / MJPEG
Video Format	YUY2 :MAX 1080P@5fps H.264 AVC:MAX2160P@30fps MJPEG:MAX 2160P@30fps
Audio on USB	Supported
USB Video Communication Protocol	UVC 1.1~1.5
UVC PTZ	Supported

Network Features	
Video Compression	H.264/MJPEG
Video Stream	First streaming, second streaming
Main Stream Resolution	3840x2160, 1920x1080, 1280x720, 1024x576
Sub Stream Resolution	720x480, 320x240
Video Bit Rate	32kbps~51200kbps (Second Way：32kbps~20480kbps）
Bit Rate Type	Variable bit rate，Fixed bit rate
Frame Rate	50Hz: 1fps~50fps, 60Hz:1fps~60fps
Audio Compression	AAC
Audio Bit Rate	96Kbps,128Kbps
Support protocols	NDI®lHX2, SRT, TCP/IP,HTTP,RTSP, RTMP(s),Onvif,DHCP,Multicast and so on

Input/Output Interface	
HD Output	1xHDMI: 2.0 Remarks：4KP60 HDMI output only supports YUV420
	1x3G-SDI: BNC type, 800mVp-p, 75Ω, Comply with SMPTE 424m standard.
Network Interface	1xRJ45: 10M/100M/1000M Adaptive Ethernet
Audio Interface	1-ch , 3.5mm Audio Interface, Line In；
	1-ch , 3.5mm Audio Interface, Line Out；
USB	1-ch, USB2.0, Type-A(Can be configured as Host or Device by software)
Communication Interface	1xRS232 In: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA/Pelco-D/Pelco-P
	1xRS232 Out: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA network use only
	1xRS485: 2pin Phoenix Port, Max Distance: 1200m, Protocol: VISCA/Pelco-D/Pelco-P
RESTORE	Support
Power Jack	JEITA type (DC IN 12V)

Generic Specification	
Installation Direction	Mounting, Ceiling Mounting
Tally Lamp	1PCS (Red and Green)
Power Indicator	1PCS(Blue)
Status Indicator	1PCS (Green)
IR Remote Control	Support
Dial	Support
Input Voltage	DC 12V /POE+
Input Cur	2A（MAX)
Operating Temperature	0°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	MAX 18W
Size	169mm x 142mm x 175mm
Net Weight	About 1.5Kg