Extreme Night Vision Cameras

Long distance Cameras viewing in complete darkness

Without Laser | IR | external lighting means

Main Features:

- 4K Extreme Night Vision Camera (4096×2160@30fps)

- Cooled color imager

- Photoelectric sensing technology

- 0.0008Lux @F0.95,ISO:600000

- Sensor type: 21.63 mm CMOS

- Lens mount type: Sony E

- IP66 , -40℃ ~ +60℃ , 24VAC

RENV4K Camera Specification

Sensor type	**Diagonal 21.63 mm CMOS Image Sensor， 11 M effective pixels**
Lens mount type	**Sony E**
Video compression standard	**H.265 / H.264 / MJPEG**
Video compression bit rate	**512Kbps~16Mbps**
Effective resolution	**4096×2160@30fps**
Minimum illumination	**color : 10^{-3} ～ 10^{-4} lux**
Low light frame rate	**30 frame/S**
Video resolution	**Main stream：3840X2160、1920x1080** Sub stream：1280X720，640×360。 MJPEG：1280x720、640x360。
Image settings	Brightness, Sharpness, Contrast, Saturation, Hue, Exposure, Exposure Compensation, White balance, etc. can be adjusted through the browser
Scene switch	Normal mode, low light mode, wide dynamic.
Screen flip	Flip up and down, mirror left and right
Black level adjustment	Supported, used when the image is black in extremely low illumination.
Electronic image stabilization	support
Electronic fog	Support, strength adjustable.
Electronic PTZ	Substream support, support map mode display
Mechanical head	Main stream support, disabled by default.
Cross measurement	support
IR-CUT	support
Anti-flicker	support
3D noise reduction	Temporal noise reduction, spatial noise reduction, and color gamut noise reduction.
OSD character overlay	Support channel name, date and time superposition, the superposition position is optional.
ROI settings	Support dual stream to set 4 fixed areas respectively
Occlusion settings	Support 4 privacy masking areas
Motion Detection	Support setting 4 fixed areas
Recording settings	Timed recording/Motion detection recording
Storage function	Support TF card (maximum 256G), local storage.
Platform Agreement	ONVIF, GB28181。
Network protocol	TCP/IP,ICMP,HTTP,FTP,DHCP,DNS,RTP,RTSP,RTCP,NTP,SMTP,UDP
Video output	MICRO-HDMI
USB interface	USB3.0
RS485 interface	Data(A,B),GND
Network Interface	1 RJ45 10M/100M/1000M adaptive Ethernet port

Operating Voltage	AC24V
Power	100W
Operating temp	-40℃ ~+60℃
Storage temp	-40℃ ~ +60℃
	IP66

Extreme Night Vision Lens

focal length	25mm	35mm	50mm	85mm	135mm	460mm	613mm	80-200
maximum aperture	f/1.8	f/0.95	f/0.95	f/1.2	f/1.4	f/1.5	f/2.0	f/2.8
minimum aperture	f/16	f/16	f/16	f/16	f/16	f/6.4	f/6.4	f/22
lens type	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed	zoom
Focus method	manual	manual	manual	motorized	manual	motorized	motorized	motorized
lens color	Black	Black	Black	Black	Black	Black	Black	Black
lens size	51mm x 32mm	56mm x 63mm	73mm x 90.5mm	83mm x 97mm	111mm x 160mm	220mm x 499mm	220mm x 524mm	88mm x 207mm
lens weight	143g	369g	810g	920g	3000g	9500g	9500g	1580g
field of view	34°	22°	22.5°	14.5°		2.7°	2°	