

# 20X Optical Zoom 4K/30fps

## Live Streaming Camera



### Key Features

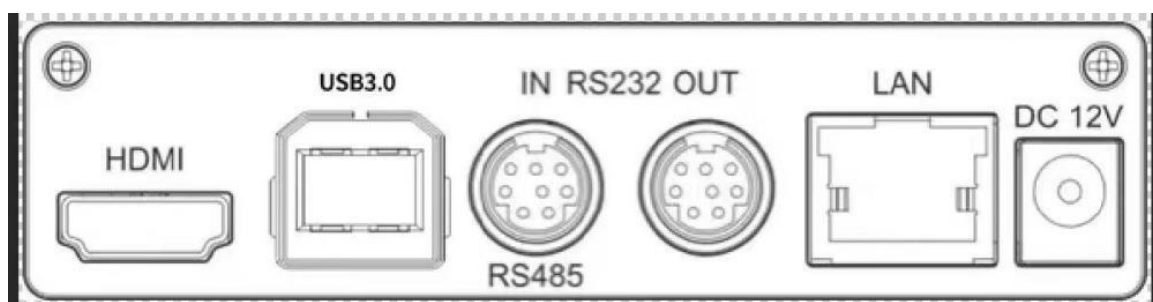
- 1/2.8" 4K/30fps Sony IMX415 CMOS Sensor
  - 20X (5.7~94.4mm) Optical Zoom
  - 2D/3D noise reduction algorithm, wide dynamic range
  - Pan&Tilt operates quietly and smoothly, with precise and rapid positioning and a maximum horizontal speed of 200 °/s;
  - HDMI, USB3.0, Network HD Video output;
  - RS232, RS485, IP external control interface;
  - With multi-function infrared remote control, easy to operate.
- Support various installation methods.

### Technical parameters

Model	
Model No.	SVN-4K30U20P
Camera	
Image Sensor	1/2.8" 4K/30fps Progressive Scan SONY IMX415 Image sensor
Pixels	8MP
Video format (HD)	3840*2160 25/30/29.97/23.98fps, 1920*1080 1280*720 25/30/29.97/23.98fps
Lens	
Optical lens	20x optical zoom lens, 5.7±5%~94.4±5%mm
Optical zoom	20X
Min. imaging distance	0.2m (wide angle) - 1.5m (far end)
HOV	55° (wide angle) - 3.9° (distal)
Focus	Automatic/manual/one-touch trigger
Min. illumination	0.01lux (F1.8, AGC ON, color)
Exposure control	Auto/Manual/Shutter Priority/Aperture Priority/Brightness Control/Backlight Compensation
Electronic shutter	Auto/Manual, Shutter range: 1/1-1/30,000s
Gain	Auto/Manual
White balance	Auto/Manual/Auto Tracking White Balance/Indoor/Outdoor/One Touch
Effects Mode	Backlight compensation, horizontal mirroring, vertical flip
Digital noise reduction	2D & 3D digital noise reduction
Signal-to-noise ratio	>55dB
Backlight Compensation	Off/On Automatic backlight compensation
Pan&Tilt	
Rotation speed	Horizontal: 2.2°~200°/sec, Vertical: 1.5° ~100°/sec
Corner range	Horizontal: ±170°, Vertical: -30°~90°
Preset point	255

Preset Accuracy	0.1°
<b>Video encoding</b>	
Network Interface	
Video compression	H.265/H.264
Resolution/frame rate	Main Stream: 3840*2160 25/30fps, (1920*1080,1280*720) 25/30fps Sub Stream: (704*576, 640*480, 640*360, 576*480, 352*288, 320*240, 320*180) 25/30fps
USB Interface	
Video compression	YUV/H.264/MJPEG
Resolution/frame rate	H.264: (3840*2160, 1920*1080, 1280*720, 800*600, 640*480, 704*576, 320*240) 25/30fps MJPEG: (3840*2160, 1920*1080, 1280*720, 800*600, 640*480, 704*576, 320*240) /25/30fps YUV: (3840*2160)15fps; (1920*1080, 1280*720, 800*600, 640*480, 704*576, 320*240) 25/30fps
Protocols	UVC1.1; UAC1.0
Containment	Support zoom, PTZ control, adjustable brightness, contrast, hue, saturation, sharpness parameters
HDMI Interface	
Resolution/frame rate	3840*2160 25/30/29.97/23.98fps; 1920*1080 1280*720 25/30/29.97/23.98fps
<b>Network protocol</b>	
Network protocol	IPV4, TCP, UDP, HTTP, FTP, NTP,DNS, DHCP,ARP, RTSP, RTP,RTCP, RTMP,NDI,SRT
Application programming	Supports VISCA, VISCA Over IP, standard protocols (ONVIF), private SDK and third-party management platform access.
Number of simultaneous previews	Maximum 20 channels
<b>Interface</b>	
Multiple video outputs	Support 3-CH HD video output simultaneously (HDMI USB3.0 IP)
Network	1 RJ45, 10M/100M adaptive Ethernet port
Communications interface	1 RS485/232 Compatible Interface, 1 RS232 In, 8-pin DIN
<b>General</b>	
Menus	English/Chinese Simplified
Address range	0-255
Temperature	Operating temperature: 0°C~+50°C, Storage temperature: -20°C~+70°C
Environmental humidity	0 - 95% (non-condensing)
Power supply	12V DC
Power consumption	<10W
Sizes	142*125*157 mm
Net weight	1.48Kg

## Interface diagram



# Size

