HD Conference Camera

VY-S810-12/VY-S810-25/VY-S810-30



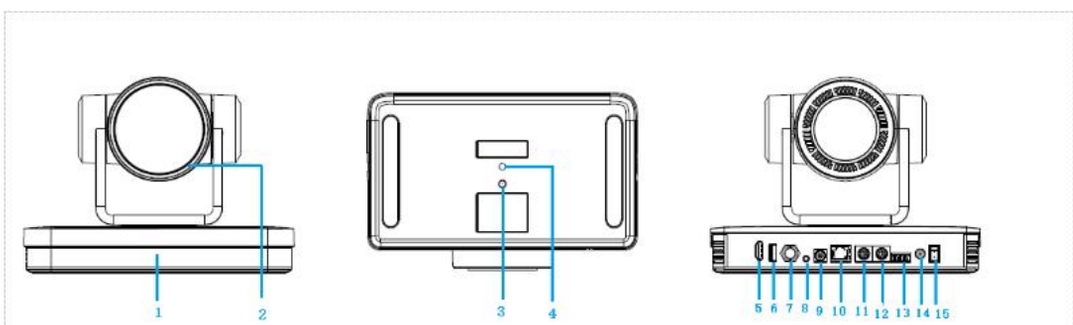


Figure 1-1 Product Interfaces

Product Interface Description		
1. Remote Control Reception Indicator	6. USB 2.0 Interface	11. RS232 Control Interface (Input)
2. Lens	7. SDI Interface	12. RS232 Control Interface (Output)
3. Mounting Fixation Hole	8. Audio Input Interface	13. RS422/RS485 Interface
4. Tripod Mounting Screw Hole	9. Rotary DIP Switch	14. DC12V Power Input Socket
5. HDMI Interface	10. Ethernet Port	15. Power Switch

Functional description:

1. 4K Ultra HD: Adopts a high-quality SONY CMOS image sensor, supporting a maximum resolution of 4K@60fps with an output frame rate of up to 60 frames per second. It delivers clear and realistic ultra-high-definition video, vividly presenting human expressions and movements, and provides first-class clarity and resolution image quality
2. Dual Stream: The USB port supports simultaneous output of main stream and sub-stream, meeting the needs of both local and remote ends.
3. Lens: Optical zoom capability is supported.
4. Video Interfaces: Supports HDMI2.0, SDI, USB 2.0, and LAN. HDMI, USB, and LAN can simultaneously output 4K audio and video.
5. Auto-Focus Technology: Advanced auto-focus algorithms enable the lens to complete auto-focus quickly, accurately, and stably.
6. Low Noise and High Signal-to-Noise Ratio (SNR): The low-noise CMOS effectively ensures an ultra-high SNR of the picture. Advanced 3D noise reduction technology further reduces noise while ensuring image clarity.
7. Multiple Audio and Video Compression Standards: The LAN interface supports H.265/H.264 video compression; the USB2.0 interface supports MJPG, H.264, YUY2, NV12, and H.265; the A-IN interface supports AAC audio compression encoding.
8. Audio Input Interface: Supports a sampling frequency of 48kHz and AAC audio encoding.
9. Multiple Network Protocols: Supports ONVIF, GB/T28181, RTSP, and RTMP protocols; supports RTMP push mode for easy connection to streaming media servers (Wowza, FMS); supports RTP multicast mode and full network command VISCA control protocol.
10. Control Interfaces: RS422 (compatible with RS485) output, RS232 input/output; RS232 supports cascading for convenient engineering installation and use.
11. Multiple Control Protocols: Supports VISCA, PELCO-D, and PELCO-P protocols, with automatic protocol recognition.
12. Multiple Presets: Supports up to 255 presets (10 available for remote control setting and calling).
13. AI Human Tracking: Built-in high-speed processor and exclusive advanced image processing and analysis algorithms. Users can choose real-time tracking or area tracking according to the usage environment.
14. Wide Application Scenarios: Suitable for conferences, education, medical care, government affairs, cloud video, collaborative office, multimedia integration, emergency command, broadcasting, justice, public security, military and other system applications

Technical specifications:

Model	VY-S810-12	VY-S810-25	VY-S810-30
Lens	12x Optical Zoom	20x Optical Zoom	31x Optical Zoom
Image Sensor	1/2.5-inch SONY CMOS Image Sensor	1/1.8-inch SONY CMOS Image Sensor	
Effective Pixels	8.51 Million Effective Pixels, 16:9	8.51 Million Effective Pixels, 16:9	8.51 Million Effective Pixels, 16:9
Focal Length	f=3.85 mm ~ 43.06 mm	f=7.1 mm ~ 171.95 mm	f=6.91 mm ~ 214.21 mm
Angle of View	Horizontal: 7.59˚ (Narrow Angle) ~ 80.4˚ (Wide Angle)	Horizontal: 2.5˚ (Narrow Angle) ~ 59.2˚ (Wide Angle)	Horizontal: 1.98˚ (Narrow Angle) ~ 59˚ (Wide Angle)
Aperture Range	F1.8 ~ F3.56	F1.61 ~ F5.19	F1.35 ~ F4.6
Digital Zoom	16x		
Noise Reduction	3D Digital Noise Reduction		
Mirror/Flip	Supported		
HD Video Output	HDMI, SDI, LAN, USB2.0		
Audio Input	Dual-channel 3.5mm Linear Input		
Network Interface	100M Ethernet Port, Optional POE Power Supply, Supports Audio and Video Output		
Power Interface	HEC3800 Power Socket (DC12V)		
Horizontal Rotation	-110° ~ +110°		
Vertical Rotation	-30° ~ +30°	-27° ~ +27°	
Maximum Presets	255		
Operating Temperature	-10℃ ~ +50℃		
Mounting Method	Wall Mount, Ceiling Mount, Tripod		
Power Consumption	12W		
Dimensions	220mm (L) × 144mm (W) × 159mm (H)		
Weight	1.7KG		