

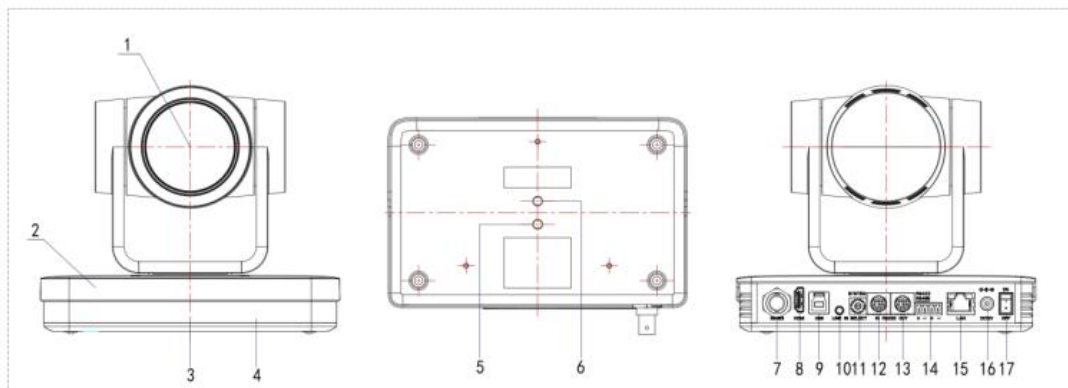


Figure 1-1 Product Interfaces

Product Interface Description		
1. Lens	7. SDI Output Interface	13. RS232 Output Interface
2. Base	8. HDMI Output Interface	14. RS422 (RS485 Compatible) Interface
3. Remote Control Reception Indicator	9. USB3.0 Interface	15. Network LAN Interface
4. Bottom DIP Switch Reserved Hole	10. Audio Input Interface (LINE-IN)	16. Power Input Socket (DC12V)
5. Tripod Mounting Screw Hole	11. Rotary DIP Switch	17. Power Switch Button
6. Tripod Mounting Positioning Hole	12. RS232 Input Interface	

Functional description:

- 4K Ultra-HD Image:** Adopts an 8.5-megapixel high-quality SONY CMOS image sensor, with a maximum resolution of 4K (3840×2160) and a maximum 4K output frame rate of 30 fps. It presents clear and realistic ultra-high-definition videos, vividly displaying human expressions and movements, and provides first-class clarity and resolution image quality. Equipped with a 1/2.8-inch high-quality CMOS sensor with 8.51 million effective pixels.
- Optical Zoom Lens:** 12x optical zoom lens with a 70° field of view.
- Leading Auto-Focus Technology:** Advanced auto-focus algorithms enable the lens to complete auto-focus quickly, accurately and stably.
- Low Noise & High Signal-to-Noise Ratio (SNR):** The low-noise CMOS effectively ensures the ultra-high SNR of the camera video. Advanced 2D and 3D noise reduction technologies are adopted to further reduce noise while ensuring image clarity.
- Multiple Video Output Interfaces:** Supports HDMI, SDI, USB3.0, and wired LAN interfaces; supports POE power supply, and USB3.0 supports dual streams.
- Multiple Audio & Video Compression Standards:** Supports YUY2, MJPEG, H.264, H.265, and NV12 video encoding formats. MJPEG, H.264, and H.265 support compression at up to 3840×2160 resolution at 30 fps; supports AAC, MP3, and G.711A audio compression.
- Audio Input Interface:** Supports AAC, MP3, and G.711A audio encoding. AAC and MP3 encoding support sampling rates of 16000, 32000, 44100, and 48000 Hz.
- Built-in Gravity Sensor:** Features a built-in gravity sensor and supports automatic PTZ flipping function, facilitating engineering installation.
- Multiple Network Protocols:** Supports ONVIF, GB/T28181, RTSP, RTMP, VISCA OVER IP, IP VISCA, RTMPS, and SRT protocols; supports RTMP push mode for easy connection to streaming media servers (Wowza, FMS); supports RTP multicast mode.
- Control Interfaces:** RS422 (compatible with RS485), RS232-IN, RS232-OUT. The RS232 interface supports cascading.
- Multiple Control Protocols:** Supports VISCA, PELCO-D, and PELCO-P protocols, and automatic protocol recognition.

- 12. Ultra-Quiet PTZ: Uses high-precision stepper motors and precision motor drive controllers to ensure stable and noise-free low-speed operation of the PTZ.
- 13. Low-Power Sleep Function: Supports low-power sleep/wake-up, with power consumption below 400mW during sleep.
- 14. Multiple Presets: Supports up to 255 presets (10 available for remote control setting and calling).
- 15. Multiple Remote Controls: Users can choose an infrared remote control or a wireless remote control according to the operating environment. The 2.4G wireless remote control is not affected by angle, distance, or infrared interference. Supports remote control signal transparent transmission for convenient use of backend equipment.
- 16. AI Human Tracking: Built-in high-speed processor and adopts exclusive advanced image processing and analysis algorithms. Users can choose real-time tracking or area tracking according to the operating environment.
- 17. Wide Application Scenarios: Distance education, teaching video recording and broadcasting, conference systems, remote training, telemedicine, court trial systems, emergency command systems, etc.

Technical specifications:

Model	VY-S804
Lens	12x Optical Zoom
Image Sensor	1/2.8-inch High-Quality CMOS Sensor
Effective Pixels	8.29 Million Effective Pixels, 16:9 Aspect Ratio
Focal Length	3.5 ~ 42 mm
Field of View (FOV)	Horizontal: 8° (Narrow Angle) ~ 80° (Wide Angle)
Aperture Range	F1.8 ~ F3.3
Digital Zoom	15x
Noise Reduction	2D & 3D Digital Noise Reduction
Mirror/Flip	Supported
HD Video Output	HDMI, SDI, USB3.0, LAN
Audio Input	Dual-Channel 3.5mm LINE-IN
Network Interface	10M/100M Adaptive Ethernet Port, POE Power Supply Supported
Power Interface	HEC3800 Power Socket (DC12V)
Horizontal Rotation	-170° ~ +170°
Vertical Rotation	-30° ~ +90°
Maximum Presets	255
Operating Temperature	-10°C ~ +50°C
Mounting Methods	Wall Mount, Ceiling Mount (Inverted), Tripod Mount
Power Consumption	12W
Dimensions	181mm (Length) × 115mm (Width) × 149mm (Height)
Weight	1.2KG