

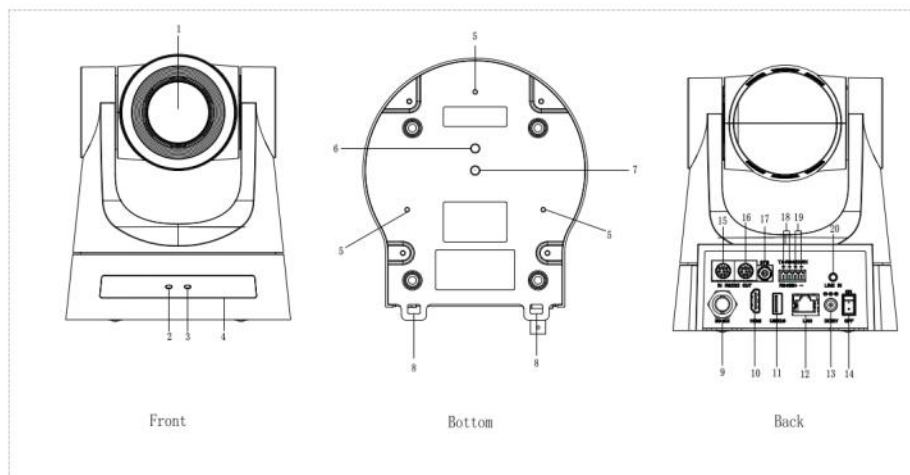


Figure 1-1 Product Interfaces

Product Interface Description:

1. Lens	8. Safety Buckle	15. RS232 Input Interface
2. Power Indicator	9. SDI Output Interface	16. RS232 Output Interface
3. Status Indicator	10. HDMI Output Interface	17. Rotary DIP Switch
4. Infrared Receiver	11. USB2.0 Interface	18. RS485 Input Interface
5. Reserved Mounting Hole	12. Network LAN Interface	19. RS422 Input Interface
6. Tripod Mounting Positioning Hole	13. Power Input Socket (DC12V)	20. Audio Input Interface (Line-IN)
7. Tripod Mounting Screw Hole	14. Power Switch Button	

Functional description:

- 1.Full HD Image: Adopts a 1/2.8-inch 2.07-megapixel high-quality CMOS image sensor, with a maximum resolution of 1920×1080 and an output frame rate of up to 60 frames per second, presenting clear and realistic high-definition videos that vividly show human expressions and movements.
2. Optical Zoom Lens: Equipped with an optical zoom lens.
3. Auto-Focus Technology: Advanced auto-focus algorithm enables the lens to complete auto-focus quickly, accurately and stably.
4. 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.
5. Multiple Video Output Interfaces: Supports HDMI, SDI, USB, and wired LAN (POE function optional); SDI supports transmission of up to 100 meters in 1080P60 format.
6. Multiple Audio & Video Compression Standards: Supports H.265/H.264/MJPEG video compression, and AAC, MP3, G.711A audio compression; supports compression of up to 1920x1080 resolution at 60 frames per second.
7. Multiple Network Protocols: Supports ONVIF, GB/T28181, RTSP, 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.
8. Multiple Control Interfaces: RS485, RS232; RS232 supports cascading for convenient engineering installation and use.
9. Multiple Control Protocols: Supports VISCA, PELCO-D, PELCO-P protocols and automatic protocol identification.
10. Ultra-Quiet PTZ: Adopts high-precision stepper motor and precision motor drive controller to ensure stable and noise-free PTZ operation.
11. Multiple Presets: Supports up to 255 presets (10 for remote control setting and calling).

12. 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.
13. Wide Application Scenarios: Suitable for conference, education, medical, government affairs, cloud video, collaborative office, multimedia integration, emergency command, broadcasting, justice, public security, military and other system applications.

Technical specifications:

Parameter	VM-S800-12	VM-S800-20
Lens	12x Optical Zoom	20x Optical Zoom
Image Sensor	1/2.8-inch High-Quality CMOS Sensor	
Effective Pixels	2.07 Megapixels, 16:9	
Focal Length	f=4.1 ~ 49.2mm	f=5.1 ~ 102mm
Field of View	6.57° (Narrow Angle), 70.28° (Wide Angle)	3.45° (Narrow Angle), 60.04° (Wide Angle)
Aperture Range	F1.8 – F2.68	F1.8 – F2.9
Digital Zoom	10x	
Noise Reduction	2D & 3D Digital Noise Reduction	
Mirror / Flip	Supported	
HD Video Output	HDMI, SDI, LAN, USB2.0	
Audio Input	Dual-Channel 3.5mm Line-In	
Network Interface	100M Ethernet Port, Optional POE Power Supply, Supports Audio & Video Output	
Power Interface	HEC3800 Power Socket (DC12V)	
Horizontal Rotation	-170° ~ +170°	
Vertical Rotation	-30° ~ +90°	
Maximum Presets	255	
Operating Temperature	-10°C ~ +50°C	
Mounting Method	Wall Mount, Ceiling Mount, Tripod Mount	
Power Consumption	12W	
Dimensions	143mm (L) × 176mm (W) × 169mm (H)	
Weight	1.2KG	