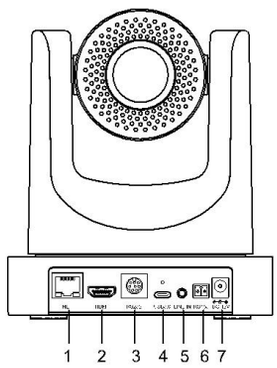
High-Definition Video Conference Camera

VM-S840-12U





No.	Description	No.	Description
1	Network Interface	5	LINE IN Interface
2	HDMI Interface	6	RS485 Interface
3	RS232 Interface	7	DC 12V Power Interface
4	USB 3.0 Interface		

Functional description:

1. Adopts a high-quality CMOS sensor with 1/2.8-inch size and 2.07 million effective pixels, capable of achieving high-quality images with a maximum resolution of 1920x1080, featuring 12x optical zoom and 16x digital zoom.
2. The new CMOS image sensor with ultra-high signal-to-noise ratio (SNR) can effectively reduce image noise in low-light conditions. It applies 2D and 3D noise reduction algorithms to significantly minimize image noise, maintaining clean and clear images even in ultra-low light environments, with an image SNR of over 55dB.
3. The new generation ISP image processing algorithm provides more comprehensive white balance and auto-exposure functions, significantly improving the camera's image output performance and delivering superior imaging effects.
4. Utilizes an advanced focusing algorithm to enable the lens to complete focusing quickly, accurately and stably.
5. Built-in AI technology and pedestrian re-identification technology, supporting automatic framing of participants and automatic tracking of speakers.
6. Built-in dual-microphone array
7. Supports PoE power supply.
8. Supports AAC audio encoding, offering better sound quality and lower bandwidth occupation.
9. Equipped with HDMI and 3G-SDI high-definition output interfaces. The 3G-SDI interface supports a maximum effective transmission distance of 150 meters (1080P30). It supports four video channels: HDMI, SDI, USB and network, and allows simultaneous output via USB, network, HDMI or SDI
10. Supports RS232 and RS485 serial ports for remote control of the camera.
11. Supports resolutions including 1080P60, 1080P59.94, 1080P50, 1080I60, 1080I59.94, 1080I50, 1080P30, 1080P29.97, 1080P25, 720P60, 720P59.94 and 720P50, with a maximum output frame rate of 60fps.
12. Widely used in industries such as educational video recording, distance education, video conferencing, live streaming and broadcasting.

Technical specifications:

Lens Focal Length	f3.5mm~42.3mm, Aperture Range F1.8~F2.8
Zoom	12x Optical Zoom, 16x Digital Zoom
Preset Positions	255 positions, Preset Accuracy: 0.1°
Horizontal Field of View	72.5°~6.9°
Vertical Field of View	44.8°~3.9°
Horizontal Rotation Range	-170° ~ +170°
Vertical Rotation Range	-30° ~ +90°
Horizontal Rotation Speed Range	2.7°~35.7°/s
Vertical Rotation Speed Range	2.7°~31.5°/s
Video Interfaces	1*HDMI, 1*USB3.0 (Type-C)
Audio Interface	1*3.5mm LINE IN
Control Interfaces	1*RS485, 1*RS232, 1*RJ45
Input Voltage	DC12V
Input Current	1.2A (Max)
Operating Temperature	0°C~40°C
Storage Temperature	-40°C~60°C
Power Consumption	12W
Dimensions (W*D*H)	144*144*168mm
Net Weight	1.5Kg