



SV-HD80S(C)12 All-in-one HD Video Conferencing Terminal



Description

1. The device adopts all-in-one structure, built-in hardware video processing unit and integrated HD camera, with embedded operating system, non-Windows/Android operating system;
2. Call bandwidth support 64Kbps-10Mbps; support QCIF, CIF, 4CIF, 480P, D1, 720P, 1080P video resolution;
3. Support 1280*720P 60fps/50fps/30fps/25fps, 1920*1080P 60fps/50fps/30fps/25fps HD video signal input
4. Support 1280*720P 60fps/50fps/30fps/25fps, 1920*1080P 60fps/50fps/30fps/25fps HD output;
5. Support H.264, H.264MP, H.264HP, H.265 video codec protocols, support for G.711, G.722, G.722.1, G.722.1C, OPUS and other audio codec protocols, the sound quality up to 48KHz;
6. video input interface: 1 built-in high-definition camera input +, 1 high-definition video HDMI input;
7. Support through the 2.4G remote control, web, touch, mouse and keyboard to control the terminal, support the remote control flying mouse control mode;
8. Support ITU-T H.323 standard protocols, with good compatibility; support for H.239 dual-stream protocols, the main and auxiliary streams can reach 1080P;
9. Remote video conferencing terminal embedded software, embedded in the device, to achieve the operation of the basic functions of the device;
10. Support ITU-H.323 standard communication protocol, compatible with SIP protocol;
11. Support H.264HP and other video codec technology, G.711, G.722 and other audio codec technology;
12. Support "mainstream + auxiliary stream" dual-stream transmission of video conferencing screen;



13. Support HD 1080P/60 frame video processing capability;
14. Support remote control and WEB management, in line with the use of different user habits;
15. Support wireless auxiliary streaming function, no need to connect the video cable, you can achieve wireless screen casting operation;
16. Support intelligent voice control, through voice commands to join/end the meeting, adjust the volume, send/stop dual-stream sharing and other functions.
17. Support intercepting the auxiliary stream screen for labelling function, to meet the interactive operation of remote training, teaching and other scenes;
18. Support arbitrary opening and closing of the remote video, and support the flying mouse way to drag and drop to change the window position of the video in the screen layout;
19. Support the chairman control mode, apply for the chairman's authority to control all the remote venue dual-stream encoding rate, resolution and other parameters, support for the remote venue PTZ camera up and down, left and right movement, focus, zoom operations;
20. Support actively open the remote auxiliary stream screen, can watch the auxiliary stream screen of up to 32 different video terminals at the same time;
21. Support to control the speaking rights of other terminals in the same meeting;
22. Terminal built-in conference check-in, electronic whiteboard, electronic voting, file sharing and other data conferencing functions to meet the remote training, teaching and other scenarios application needs;.
23. The complete SDK development manual of the terminal can be provided, and the functions of adjusting the camera, sending scrolling messages, setting banners, switching screen layouts, controlling the speaking rights of each venue, etc. of the terminal can be called through the SDK, which can be seamlessly integrated with the third-party system;
24. Support for 1 HDMI HD output interface; 2-way audio input interface, 1 independent audio output interface, you can connect the speaker or mixer;
25. Integrated camera all-in-one hardware design, 12x optical zoom, 1/2.8-inch high-quality CMOS sensor, 2.07 million effective pixels, 1920x1080P image quality, horizontal rotation $-170^{\circ} \sim +170^{\circ}$, vertical rotation $-30^{\circ} \sim +30^{\circ}$, 72.5 degrees horizontal viewing angle, aperture: F1.8 ~ F2.4;
26. Support IP network packet loss when the repair mechanism to ensure that the packet loss rate of 5% when the image without mosaic phenomenon; packet loss rate of 8%, the meeting can still be held normally; 20% packet loss, the image is acceptable; 70% packet loss rate, the audio is not affected to ensure that the meeting is normal;
27. Super network adaptability, according to the network automatically adjust the resolution, to protect the smoothness of the meeting;
28. Support banner function, you can add a banner on the conference screen, and you can set whether to enable the banner and the banner's font size, font colour, background colour and transparency;



- 29. Support scrolling message function, you can send scrolling message, and can set whether to enable scrolling message and scrolling message font size, font colour, background colour, transparency and scrolling times;
- 30. Support automatic noise suppression, automatic gain control and automatic echo cancellation, lip sync and other audio processing functions;
- 31. Support the venue mute and shutdown function, the venue sound output size adjustable;
- 32. Support voice priority, support QOS policy mode, support IPPrecedence, Diffserv;
- 33. support for IPV4 and IPV6 protocols, support for NAT traversal, with the ability to cross the router and firewall to ensure system security;
- 34. With good management and maintainability, support for local audio and video loop diagnostics; one-key local audio and video tests; support for network ping tests on the operator interface; support for call logs and history queries;

Technical parameters:

Video Input	1 channel built-in HD camera input, 1 channel HD video HDMI input;
Video Output	1 channel high-definition video HDMI output interface
Audio Input	3-way audio input interface, MIC 3.5mm interface × 1, LINE 3.5mm interface × 1, omnidirectional microphone USB interface
Audio Output	3-way audio output interface, HDMI * 1, LINE 3.5mm interface × 1, omnidirectional microphone USB interface
Network Port	1 Gigabit LAN port
USB port	2 USB2.0 ports, can be used for expansion, online upgrade, recording storage
Built-in camera parameters	1/2.8-inch, 2.07 effective megapixels; 10x optical zoom; 1080P Full HD resolution; 72.5-degree horizontal viewing angle 1/2.8-inch, 2.07 million effective pixels; 12x optical zoom; 1080P Full HD resolution;
Display Mode	Support 4:3 and 16:9
Environment Temperature	0°C ~ 35°C (working condition) -40°C ~ 55°C (non-working condition)
Relative Humidity	10% ~ 80% (working condition) 0% ~ 95% (non-working condition) (no condensation)
Dimension	245mm×160mm×179mm
Power supply	DC 12V