



SV-HD80S (B) Luxury HD Video Conference Terminal



Features:

1. The device adopts integrated structure, built-in hardware video processing unit, embedded operating system, non-Windows/Android operating system;
2. Call bandwidth supports 64Kbps-8Mbps; supports QCIF, CIF, 4CIF, 480P, D1, 720p, 1080P, 4K video resolution;
3. Support 1280 * 720P 60fps/50fps/30fps/25 FPS, 1920 * 1080P 60fps/50fps/30fps/25 FPS HD video signal input;
4. Support 1280 * 720P 60fps/50fps/30fps/25 FPS, 1920 * 1080P 60fps/50fps/30fps/25 FPS, 3840 * 2160P HD output;
5. Support H.264, H.264MP, H.264HP, H.265 video codec protocols, support G.711, G.722, G.722.1, G.722.1C, OPUS and other audio codec protocols, with sound quality up to 48KHz;
6. Support to control the terminal through 2.4G remote control, web, touch control, mouse and keyboard, and support the flying squirrel control mode of remote control;
7. Support local U disk/hard disk recording; Support automatic upgrade after startup
8. Support ITU-323 T H. Standard protocol, with good compatibility; support H.239 dual-stream protocol, the main and auxiliary streams can reach 1080P;
9. The embedded software of the remote video conference terminal is embedded in the equipment to realize the operation of various basic functions of the equipment;
10. Support ITU ITU-H.323 standard communication protocol, compatible with SIP protocol;
11. Support video codec technologies such as H.264HP and audio codec technologies such as G.711 and G.722;
12. Support "main stream + auxiliary stream" dual-stream transmission of video conference pictures; support HD 1080P/60 frame video processing capability;
13. Support remote control and WEB management, in line with the use habits of different users;



14. Support the function of intercepting auxiliary stream pictures for annotation to meet the interactive operation of remote training, teaching and other scenes;
15. Support wireless auxiliary stream, PC and other desktop signals can be wirelessly projected to the terminal auxiliary stream without connecting the video cable;
16. Support intelligent voice control, realize join/end conference, adjust volume, send/stop dual-stream sharing and other functions through voice commands.
17. IPC network camera monitoring function is supported, and IPC network camera monitoring and real-time preview operations are not required to be performed directly through web and third-party transcoding equipment;
18. Support for arbitrary opening and closing of the remote video, support for dragging and dropping in a flying mouse way to change the window position of the video in the screen layout;
19. Support chairman control mode, after applying for chairman permission, you can control the encoding rate, resolution and other parameters of all remote venue dual streams, and support the up, down, left, right and center movement, focus and zoom operations of the PTZ camera for the remote venue;
20. Support for actively opening the remote auxiliary stream screen, able to watch up to 32 different video terminals' auxiliary stream screens at the same time;
21. support single screen double display, double screen double display application function, can realize multi-screen layout, support picture-in-picture and other common layout types, single screen support 25-way screen display at the same time;
22. support for controlling the bandwidth of all remote venue dual streams and support for PTZ control of remote venues;
23. Support for controlling the speaking rights of other terminals in the same meeting;
24. The terminal has built-in data conference functions such as conference sign-in, electronic whiteboard, electronic voting and file sharing to meet the application needs of remote training, teaching and other scenarios;
25. A complete SDK development manual for the terminal is available, which can be used to call the terminal's functions such as adjusting cameras, sending scrolling messages, setting banners, switching screen layouts, and controlling the speaking rights of each venue through the SDK, allowing seamless integration with third-party systems;
26. Support IP network packet loss repair mechanism to ensure no mosaic image when the packet loss rate reaches 5%; when the packet loss rate reaches 8%, the meeting can still be held normally; when 20% packet loss, the image is acceptable; when 70% packet loss rate, the audio is not affected, to ensure that the meeting is carried out normally;
27. Super network adaptability, automatically adjusting the resolution according to the network to guarantee the smoothness of the meeting;
28. Support banner function, you can add banners to the conference screen and set whether to enable banners and the font size, font colour, background colour and transparency of the banners;
29. support for scrolling messages, with the ability to send scrolling messages and set whether to enable scrolling messages and the font size, font colour, background colour, transparency and number of scrolls for scrolling messages;



- 30. Support for automatic noise suppression, automatic gain control and automatic echo cancellation, lip-sync and other audio processing functions.
- 31. support for venue mute and shutdown functions, with adjustable venue sound output size;
- 32. support for voice priority, QOS policy mode, IPPrecedence, Diffserv;
- 33. Support IPV4 and IPV6 protocols, support NAT traversal, with the ability to cross routers and firewalls to ensure system security;
- 34. with good management and maintainability, support for local audio and video loop diagnostic functions; one-click local audio and video testing; support for network ping testing on the operator interface; support for call log and history query;

Technical parameters:

Video input	2-channel HD video HDMI input interface + 1-channel USB3.0 input
Video output	2-channel HD video HDMI output interface
Audio input	3-channel audio input interface, MIC 3.5mm interface × 1, LINE 3.5mm interface × 1, omnidirectional microphone USB interface
Audio output	3-channel audio output interface, HDMI * 1, LINE 3.5mm interface × 1, omnidirectional microphone USB interface
Network port	1-way gigabit network port, 1-way optical port
USB interface	2 USB 2.0 interfaces for expansion, online upgrade, recording and storage
Display mode	Supports 4:3 and 16:9
Ambient requirement temperature	0 °C ~ 35 °C (working state) -40 °C ~ 55 °C (non-working state)
Relative humidity	10% ~ 80% (working state) 0% ~ 95% (non-working state) (non-condensation)
Size	325mm×50mm×215mm
Power supply	DC 12V