SV-HD80S (4)/SV-HD80S (8)/SV-HD80S (16) HD Video Conferencing Terminal (Built-in MCU)

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; Support QCIF, CIF, 4CIF, 480P, D1, 720P, 1080P and 4K video resolutions;
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 at startup
8. Support ITU-323 T H. Standard protocol, with good compatibility; Support H.239 dual-stream protocol, and 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 mode to transmit 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. Built-in 4/8/16-channel MCU function module, support the built-in MCU conference to hold the mainstream auxiliary flow conference, support the PC version or mobile terminal to join the conference;
15. Support the function of intercepting auxiliary stream pictures for annotation to meet the interactive operation of remote training, teaching and other scenes;
16. Support wireless auxiliary stream, PC and other desktop signals can be wirelessly projected to the terminal auxiliary stream without connecting the video cable;
17. Support intelligent voice control, realize join/end conference, adjust volume, send/stop dual-stream sharing and other functions through voice commands.
18. 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;
19. Support to open and close the remote video arbitrarily, and support to drag and change the window position of the video in the screen layout in the way of flying squirrel;
20. It supports the chairman control mode. After applying for the chairman's permission, it can control the encoding rate, resolution and other parameters of the dual-stream of all remote venues, and support the up, down, left and right movement, focusing and zooming of the PTZ camera in the remote venue;
21. Support to actively open the remote auxiliary stream pictures, and watch the auxiliary stream pictures of up to 32 different video terminals at the same time;
22. Support single-screen dual-display and dual-screen dual-display application functions, realize multi-screen layout, support picture-in-picture and other common layout types, and support simultaneous display of 25 channels of pictures on a single screen;
23. Support the control of dual-stream bandwidth of all remote meeting places, and support the PTZ control of remote meeting places;
24. Support for controlling the floor of other terminals in the same conference;
25. The terminal has built-in conference sign-in, electronic whiteboard, electronic voting, file sharing and other data conference functions to meet the application needs of remote training, teaching and other scenarios;
26. The complete SDK development manual of the terminal can be provided, and the functions of adjusting the camera, sending scrolling messages, setting banners, switching the screen layout, and controlling the right to speak of each venue can be called through the SDK for seamless integration of third-party systems;
27. Support IP network packet loss repair mechanism to ensure that the image is free of mosaic when the packet loss rate reaches 5%; When the packet loss rate reaches 8%, the conference can still be held normally; when the packet loss rate reaches 20%, the image is acceptable; When the packet loss rate is 70%, the audio is not affected to ensure the normal operation of the conference;
28. Super network adaptability, automatically adjust the resolution according to the network to ensure the smooth meeting;

29. Support the banner function, add a banner on the conference screen, and set whether to enable the banner and the font size, font color, background color and transparency of the banner;

30. Support the scrolling message function, send scrolling messages, and set whether to enable scrolling messages and the font size, font color, background color, transparency and scrolling times of scrolling messages;

31. Support automatic noise suppression, automatic gain control, automatic echo cancellation, lip synchronization and other audio processing functions;

32. Mute and mute functions are supported, and the sound output of the venue is adjustable;

33. Support voice priority, support QOS policy mode, support IP Precedence, Diffserv;

34. Support IPV4 and IPV6 protocols, support NAT traversal, have the ability to cross routers and firewalls, and ensure system security;

35. With good management and maintainability, support local audio and video loop diagnosis function; One-key local audio and video test; Support network ping test on the operation interface; Support the query of call logs and historical records;

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 ℃ ~ 35 ℃ (working state) -40 ℃ ~ 55 ℃ (non-working state)
Relative humidity	10% ~ 80% (working state) 0% ~ 95% (non-working state) (non-condensation)
Size	325mm×50mm×215mm
Power supply	DC 12V