

High definition video conferencing terminal

D-6153



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Features:

- Support communication protocols such as H.323, SIP, etc; Can connect with mainstream video conferencing devices such as Polycom, Cisco, etc...
- The main components of the terminal are domestically produced and independent, including video and audio encoding and decoding units, main control chips, video input and output chips, etc;
- The overall delay of the video frame after local collection, encoding, network transmission, decoding, and display output shall not exceed 150ms;
- Supports H.264, H.264 MP, H.264 HP, H.265 video encoding and decoding protocols, supports G.711, G.722, G.722.1, G.722.1C, OPUS and other audio encoding and decoding protocols, with a maximum sound quality of 48KHz;
- Integrated design, featuring a 12x optical zoom lens, a 78 ° pan tilt camera, built-in array microphone, and 4K encoding and decoding capabilities;
- Equipped with a built-in pan tilt camera and automatic focusing algorithm, the lens completes automatic focusing quickly, accurately, and stably. Advanced 2D and 3D noise reduction technology is used to further reduce noise while ensuring image clarity. Multiple startup preset positions can be set, supporting PTZ for easy adaptation to different venue debugging;
- Built in array microphone, 6-meter pickup distance, built-in intelligent echo cancellation and noise suppression audio algorithms, providing users with high-quality conference audiovisual experience;
- Supports 4KP30 and H.265 encoding and decoding algorithms, with a call bandwidth of 64Kbps-10Mbps; Support transmission of video resolutions such as 4K, 1080P, 720P, 4CIF, CIF, etc., support 1Mbps implementation of 4KP30 encoding, mainstream 4K30fps, auxiliary stream 4K15fps transmission
- Supports 4KP60 ultra high definition video signal input and 4KP60 frame ultra high definition video signal output;
- Supports built-in MCU mode and supports up to 16 terminals joining simultaneously; Support access to different clients such as hardware terminals, integrated terminals, portable terminals, PC clients, and mobile phones; Support integration with third-party video conferencing devices;
- Support local recording of video conferencing terminals, with the option to record local, remote, dual stream, and multi stream images; Support recording real-time images and sounds from no less than 25 venues, with a video frame rate of no less than 30 frames per second, and lip sync support; Generate standard MP4 format files, supporting terminal on-demand playback;

- Support high-definition surveillance cameras in the same network segment to send surveillance images to video conferencing terminals through IP networks, which can be directly displayed as terminal video sources and can be directly added as mainstream images.

Support facial check-in function and group signing; Facial recognition check-in technology does not require clicks or settings. Participants only need to walk into the venue, and the check-in process is automatically completed when entering the meeting. A group of people can also check-in, saving valuable time and energy and allowing participants to focus more on the content of the meeting.

Support digital signage and display participant names, job descriptions, and other information during meetings; Support the display of digital identity tags for all membership venues, including local and remote venues;

- Support auxiliary stream watermarking function: Add watermarks to screen sharing during meetings, and support custom watermarks;

- Supports multiple control methods, which can be controlled through an infrared remote control web. Control the terminal through methods such as tablet, mouse, and keyboard, and support one click power on/off with a remote control;

- Supports single screen dual display and dual screen dual display functions, meeting the requirement of displaying main and auxiliary stream images simultaneously on a single monitor. The dual screen displays the main stream and auxiliary stream images separately.

- Support access to auxiliary streams through wired and wireless methods, support simultaneous connection of multiple wireless auxiliary streams, no less than 16, and freely switch wireless auxiliary stream screens in conference mode;

- Support local wireless screen mirroring, with no less than 16 computers connected wirelessly for screen mirroring, allowing for easy switching of screen mirroring images;

- Support external touch tablets, with integrated capacitive touch screens of no less than 10.1 inches. The entire system supports no less than 10 conference touch tablets, enabling touch tablets to complete dialing, appointment creation, virtual conference, auxiliary stream sharing, auxiliary stream switching, screen layout switching, chairman control, screen polling, banners, scrolling subtitles, electronic whiteboards, and other operations for terminals. The electronic whiteboard has functions such as changing stroke color, thickness, erasing strokes, clearing strokes, and clearing whiteboards;

- Supports intelligent voice control, enabling functions such as joining/ending meetings, adjusting volume, and sending/stopping dual stream sharing through voice commands;

- Equipped with MCU management function, single machine supports 3 concurrent 4K users, supports SVC multi stream mode, multi screen per port, automatic On-table multi screen, and automatic Layout multi screen; Calling set, URI call, IP address call, supporting unified access number.

Technical Specifications:

- Audio input: Built in array microphone, 1 * 3-pin Phoenix terminal MIC (phantom power supply), 1 * 3-pin Phoenix terminal LINE IN input, USB audio, HDMI in

- Audio output: 1 * 3.5 audio output, 1 * HDMI audio output, USB audio

- Video input: 1 * HDMI input, 1 * camera input, 1 RTSP input

- Video output: 2 * HDMI output, supporting single screen dual display, dual screen dual display and other scene application functions;

- Expansion interface: 1 * USB 2.0, 1 * USB 3.0, 1x Micro USB debugging port

- WIFI interface: 1 WIFI antenna interface, supporting 2.4/5GHz dual band signals, fully covering low-speed and high-speed devices; Built in Bluetooth module;

- Network interface: 1xRJ45 standard gigabit network port

- Power interface: DC 12V 2A input