



HD Video Conference Terminal NT90MT

Product specification: MT01M8

Embedded software: HD video conference with MCU terminal software V2.3



Description

NT90MT series is a new integrated HD video conference terminal, Integrated HD camera for superior appearance and performance, Which supports H.265 technology, ultra-low bandwidth to fulfill ultra HD video effects, easy to install, suitable for various medium and small size of meeting applications.

Feature

- * Adopt integrated structure, built-in hardware video processing unit, with embedded operating system, non-Windows or Android operating system.
- * Support ITU-T H.323 standard protocol, with good compatibility; support VCS protocol, H.239 dual-stream protocol, both main and auxiliary streams can reach 1080P.
- * Call bandwidth supports 64Kbps-8Mbps; support QCIF, CIF, 4CIF, 480P, D1, 720P, 1080P, 4K video resolution.
- * Support 1280*720P 60fps/50fps/30fps/25fps 1920*1080P 60fps/50fps/30fps/25fps HD video signal input;
- * Support 1280 * 720P 60fps / 50fps / 30fps / 25fps, 1920 * 1080P 60fps / 50fps / 30fps / 25fps, 3840 * 2160P HD output.
- * Support H.264, H.264 MP, H.264 HP, H.265 video codec protocol, support G.711, G.722, G.722.1, G.722.1C, OPUS and other audio codec protocols, the highest sound quality Up to 48KHz.
- * Built-in MCU function module, standard configuration supports 3 party conferences, support for smooth expansion to 22 points of built-in MCU function; support for built-in MCU conferences to

hold mainstream auxiliary stream conferences, support PC version or mobile terminal to join the conference.

- * Support the interception of auxiliary stream screen for labeling function, and meet the interactive operation of remote training and teaching.
- * Support through 2.4G remote control, web, touch, mouse and keyboard to control the terminal, support remote control wireless mouse control mode.
- * Support remotely turn on and off remote video, support wireless mouse mode to drag and change the video position in the screen layout.
- * The terminal adopts the B/S management structure and Can be remotely managed by logging in to the web via a browser
- * Support the chairman control mode. If getting the chairman's right, the parameters such as the encoding rate and resolution of the dual-stream dual-stream can be controlled. The PTZ camera can be moved up, down, left, and right, and focused and zoomed.
- * Support active opening of the remote auxiliary stream screen, and can view auxiliary stream pictures of up to 25 different video terminals at the same time.
- * Support single-screen dual-display, dual-screen dual-display application functions, multi-screen layout, picture-in-picture and other common layout types, single-screen support 25-channel display at the same time.
- * Supports wireless streaming function, the computer only needs to install a software and connect to the terminal through the network to realize the wireless sharing streaming function, without external hardware equipment.
- * Support full-screen display or composite display of presentations in the meeting.



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- * Supports the annotation function of the auxiliary stream, can make real-time annotations on the auxiliary stream screen when sending the auxiliary stream and receiving the auxiliary stream; you can set three different thickness pens, set five pen colors, set circles, squares, arrows, lines, etc. Annotate graphics; when sending presentations, you can set whether to open annotating permissions to participants in the meeting to make comments together.
- * You can control the bandwidth of the dual-stream at the remote site and perform PTZ control on the remote site.
- * Support controlling the spoken right of other terminals in the same conference.
- * Equipped with USB interface, support USB storage device; support conference recording function, can directly record video and audio during the conference.
- * The terminal has built-in conferences sign-in, electronic whiteboard, electronic voting, file sharing and other data conferencing functions to meet the needs of remote training, teaching and other scenarios.
- * The terminal can be provided with a complete SDK development manual, which can be used to adjust the camera, send scroll messages, set banners, switch screen layout, and control the floor rights of each site through the SDK, the third-party system can be seamlessly integrated.
- * Support 1 HDMI high-definition input interface, 2 HDMI high-definition output interface; 2 audio input interface, 1 independent audio output interface, can be connected to speakers or mixer.
- * It is camera integrated hardware design, built-in camera 12x optical zoom, 1080P full HD resolution
- * Support the self-repair function in case of IP network packet loss, to ensure that there is no mosaic when the packet loss rate reaches 5%. The conference can still be held normally when the packet loss rate reaches 8%. The image to be acceptable when it is 20% packet loss . Audio is not affected and the conference is guaranteed to proceed normally with 70% packet loss rate.
- * With ultra strong network adaptability, it adjusts the resolution according to the network automatically to ensure the meeting goes fluently.
- * Support for banner, add banners to meeting screens, and set whether to enable banner and banner font size, font color, background color, and transparency.
- * Support for scrolling messages, send scrolling messages, and set whether to enable scrolling and scrolling message font size, font color, background color, transparency, and number of scrolls.
- * Support automatic noise suppression, automatic gain control and automatic echo cancellation, lip sync and other audio processing functions.
- * Support the site mute and silence function, and the volume of venue sound is adjustable.
- * Support voice priority, QOS policy mode, IP Precedence, Diffserv.
- * Support IPV4 and IPV6 protocols, support NAT traversal, and have the ability to cross routers and firewalls to ensure system security.
- * It is with Excellent management and maintainability, support local audio and video loop diagnostics; one-button local audio and video testing; support for network ping test, call log and history query on the operation interface.
- * Supports viewing the media information of audio, mainstream video, and secondary video. You can view the protocol, format, bit rate, number of packets sent and received, number of packets sent and received, packet loss rate, number of packets lost, jitter, delay, send and receive addresses, whether encrypted, etc. information.
- * Support web interactive electronic whiteboard function, you can perform electronic whiteboard operation on the terminal control web, you can set three different thickness pens, set five pen colors, set circle, square, arrow, line and other annotation graphics; set solid color background or Picture background; when the whiteboard is operated on the web, the terminal output screen synchronously displays the contents of the whiteboard. The electronic whiteboard supports paging, up to 5 pages.
- * Support setting the delay level of watching live broadcast, which can be set to three levels: smooth, moderate, and real-time.



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Specification

Model	NT90MT(MT01M8)
Built-in MCU	8 sites
Video Input	1 channel HD video HDMI input interface +1 channel built-in HD camera input
Video Output	2-channel high-definition video output interface, HDMI*2;
Audio input	2-channel audio input interface, MIC IN*1, LINE IN*1
Audio output	2-channel audio output interface, HDMI*1, LINE OUT*1
Internet Port	1-channel Gigabit Ethernet port, RJ45*1, WIFI network (can be changed to 4G network)
USB Interface	2 USB2.0 ports for connection to expansion devices or online upgrades
Display Method	Support 4:3 and 16:9
Specification of built-in camera	1/2.3 inch 12 million image sensor
	12x optical zoom
	1080P full HD resolution
	72.5 degree horizontal viewing angle
Ambient Temperature	0°C to 35°C (operating state) -40°C to 55°C (non-operating state)
Relative Humidity	10%~80% (operating status) 0%~95% (non-operating state) (non-condensing)
Dimension	248mm×154mm×190mm
Power supply	DC 12V