



# HD Video Conference Terminal NT90MB Series

## Product Specifications: MB02M22

HD video conference terminal Software V2.3



### Description

\* NT90MB series is a new split-type HD video conference terminal, which supports H.265 technology, ultra-low bandwidth to fulfill 4K video effects , integrated with various audio and video interfaces, suitable for various medium and small size of meeting applications.

### Features

- \* Adopting split type structure, built-in hardware video processing unit,with embedded operating system, non-Windows or Android operating system.
- \* Supporting 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.
- \* Paging bandwidth supports 64Kbps-8Mbps; support QCIF, CIF, 4CIF, 480P, D1, 720P, 1080P, 4K video resolution.
- \* Supporting 1280\*720P 60fps/50fps/30fps/25fps □ 1920\*1080P 60fps/50fps/30fps/25fps HD video signal input.
- \* Supporting 1280 \* 720P 60fps / 50fps / 30fps / 25fps, 1920 \* 1080P 60fps / 50fps / 30fps / 25fps, 3840\*2160P HD video signal output.
- \* Supporting 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 4 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.
- \* Supporting the interception of auxiliary stream screen for labeling function, and meet the interactive operation of remote training and teaching.
- \* Supporting through 2.4G remote control, web, touch, mouse and keyboard to control the terminal, support remote control wireless mouse control mode.
- \* Supporting 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.
- \* Supporting the chairman control mode. If getting the chairman's right, the parameters such as the encoding rate and resolution of the dual-stream from all terminals can be controlled. The PTZ camera can move up, down, left, and right, and focus and zoom.
- \* Supporting viewing the remote auxiliary stream screen, and can view auxiliary stream pictures from 25 different video terminals at the same time.
- \* Supporting single-screen with dual-display, dual-screen with dual-display application functions, support multi-screen layout, picture-in-picture and other common layout types, Single-screen support 25-channels display at the same time.
- \* You can control the bandwidth of the dual-stream and PTZ from all remote terminals.
- \* Supporting 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 3 HDMI high-definition input interfaces, 2 HDMI high-definition output interfaces; 2 audio input interfaces, 1 independent audio output interface, which can be connected to speakers or mixers.
- \* Supporting 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.
- \* Supporting for banner, add banners to meeting screens, and set whether to enable banner and banner font size, font color, background color, and transparency.
- \* Supporting 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.
- \* Supporting automatic noise suppression, automatic gain control and automatic echo cancellation, lip sync and other audio processing functions.
- \* Supporting the site mute and silence function, and the volume of venue sound is adjustable.
- \* Supporting voice priority, QOS policy mode, IP Precedence, Diffserv.
- \* Supporting 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.

Model	MB02M22
Mcu Build-in Mcu	22 sits
Framework Protocol	In accordance with ITU H.323 and VCS protocol
Video Input	3-channel HD video input interface, HDMI*3
Video Output	2-channel HD 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
Usb Interface	2 USB2.0 ports for connection to expansion devices or online upgrades
Video Protocol	Support H.264, H264HP, H264SVC, H.265 video standard protocol
Dual Stream Protocol	Support H.239 dual stream protocol
Display Method	Support 4:3 and 16:9
Cooling Method	Built-in cooling fan
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)
Size	220mm×210mm×30mm
Power Supply	DC 12V