

ZTE HD Video Conferencing

T800 12MX-M System



Powerful A/V processing capabilities and rich interfaces will interpret an unparalleled audio-visual feast for you!

Introducing the ZTE T800 12MX-M, a brand new generation full HD video communications system with a separated wide angle PTZ camera, makes it very flexible to deploy in any large meeting room and capture anything you can imagine. Supporting 1080p 60fps HD video resolution and broadband audio, the terminal is able to provide exceptional quality video and audio at an impressive price and performance. The T800 12MX-M is the excellent choice for medium and large industry users and business users requiring high level videoconferencing.



ZTE T800 12MX-M Features:

■ Broadcast Level HD Engine, Enjoy the Leap of HD Image Quality

With the aggregated new technologies and smart HD engine, the T800 can achieve 1080p 60fps video resolution, showing the vivid, smooth, lifelike color, wonderful and shook clear world, establishing the noble image of your enterprise, and letting your communication to be more efficient. In addition the T800 12MX-M supports dual 1080p video streaming which enables the user to simultaneously send one HD video stream and one HD content stream for crisp high motion data sharing. With broadband audio support and HD audio performance, the T800 12MX-M delivers a superior and uncompromised videoconferencing experience.

■ Stereo Audio Driver, Enjoy the Feast of Hearing

With the unique audio compensation technique ZAFC, it significantly improves the intelligibility of the speech of distance audio pickup. Integrated with the leading auto adaptive feedback suppression technology, it stops howling phenomenon completely. Built-in ten audio equalizer icons, it effectively makes up the defects of sound construction of the sound system and room. Using the sound field expansion technique, the terminal can restore the stereo sound field accurately and bring you enjoyment.

■ Intelligent Network Features

In order to ensure the maximum video experience across challenging and disparate customer network environments, the T800 12MX-M can automatically and dynamically adapt to network conditions using features such as FEC, and QOS which guarantees the best quality video and audio at up to 10% packet loss.

ZTE T800 12MX-M Technical Specifications:

Unit Includes

- T800 codec
- High definition PTZ camera
- Omni-directional digital microphone
- Remote control
- Cables

Communications Protocol

- ITU-T H.323
- IETF SIP

Video Protocol

- H.261, H.263, H.263+, H.264, H.264HP

Audio Protocol

- G.711A, G.711U, G.722, G.722.1 Polycom®, G.722.1 Annex C Polycom®, AAC-LD

Other Protocol

- H.224, H.225, H.241, H.243, H.245, EDID, H.239, BFCP, H.460.18, H.460.19, LDAP, NTLM, TLS, SRTP

Network Protocol

- IP, TCP, UDP, DHCP, Telnet, HTTP, PPPOE, NTP, SNMP

Remote Camera Control

- H.281

Bandwidth

- 64Kb~12Mb

Live Video Resolution

- ≥2Mb: 1080p 60fps
- ≥1Mb: 1080p 30fps, 720p 60fps
- ≥512Kb: 720p 30fps
- ≥384Kb: w576p(1024×576), 4CIF
- ≥256Kb: w448p(768×448)
- ≥192Kb: w288p(512×288)
- ≥128Kb: 1080p/16(480×272)
- ≥64Kb: CIF

Content Video Resolution

- 640×480(VGA)
- 800×600(SVGA)
- 1024×768(XGA)
- 1280×768(WXGA)
- 1280×800(WXGA)
- 1280×1024(SXGA)
- 1366×768(WXGA)
- 1440×900(WXGA+)

Security

- AES 128-bit encryption(H.235)
- WEB security access
- Telnet security access
- Safe mode with TOS signaling protection and SRTP media encryption



Audio Features

- AGC/AEC/ANS
- Audio I/O volume graphical display

Video Features

- H.264 1080p@60fps+1080p@30fps
- PIP, POP
- Video output aspect ratio settings
- MP conference up to 7 sites (HDCP)

Other Functions

- Open API
- Directly access PSTN
- Special service number for conference
- T.140 text message, caption, banner
- Musical ring-tone
- Auto-recall on re-connection
- Automatic call acceptance
- Automatic call after power on
- Voice dialing numbers speaking
- Microsoft Lync integration

Proposed PTZ Camera

- Image sensor: 1/3 Inch CMOS
- Resolution : 1920×1080(1080p), 1280×720(720p)
- Lens: 10×optical zoom, 4×digital zoom, f=3.4-33.9mm; F1.8~F2.1; auto focus
- White balance: auto, indoor, outdoor, one push automatic, manual
- Horizontal rotation angle: -100~+100 degree
- Minimum illumination: 15Lux(50IRE, F1.8)
- Video signal-to-noise: 50dB

Diagnosis

- Multi-level loop back
- Upgradeable via network
- PING testing
- IP address conflict testing
- Model test for fault detection
- Network status monitoring
- Model status monitoring
- Packet loss indicator
- Multi-level user management
- Restore factory settings

Network Self-adaption

- Automatic speed adjusting
- FEC
- QOS of TOS, Diffserv, IP priority

Options

- 2nd A100 digital microphone array
- Boundary microphone
- Gooseneck microphone
- Auxiliary camera

Interfaces

- Network: 10/100Base-T, 2×RJ-45(LAN2: reserved)
- RS232: COM1, COM2
- Video Input: 2×DVI(HDMI/VGA/YPbPr) 1×HDMI 1×HD-SDI 1×CVBS(Reserved)
- Video Output: 2×DVI(HDMI/VGA/YPbPr) 1×VGA(YPbPr) 1×HD-SDI 1×CVBS(Reserved)
- Audio Input: 4×XLR 4×RCA 1×D-MIC 1×HDMI(Reserved)
- Audio Output: 2×XLR 4×RCA 1×HDMI
- Expansion: 2×USB(Reserved) 1×PSTN

Electrical Characteristics

- Voltage: 100VAC~240VAC, 50HZ~60HZ
- Power: ≤100W

Physical Characteristics

- Dimension: 88.1mm×438.0mm×376.5mm
- Weight: 5kg