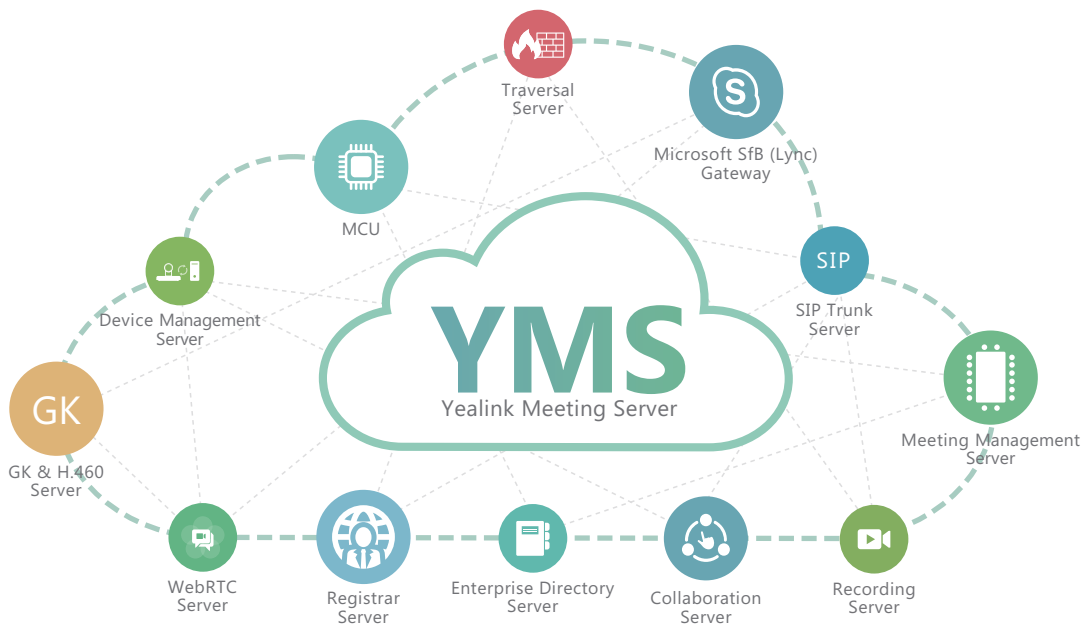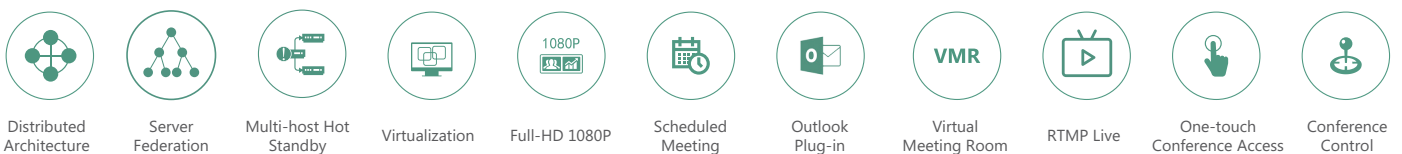# Yealink Meeting Server

Yealink Meeting Server is a distributed cloud-based video conferencing infrastructure tailored for HD video conferencing and collaboration in the modern workplace. A powerful all-in-one meeting server, YMS brings MCU, registrar server, directory server, traversal server, meeting and device management server, SIP Trunk, WebRTC server, GK & H.460 server, Microsoft SfB (Lync) gateway , Recording Server and Collaboration Server together, to better provide users with an enjoyable conferencing experience while cutting costs and improving efficiency. Seamlessly working with multiple devices such as room systems, video phones, mobile apps and PC software, YMS brings people together at any time from any location with the touch of a button.

Cloud-based Video Collaboration Infrastructure

Distributed Architecture	Server Federation	Multi-host Hot Standby	Virtualization	Full-HD 1080P	Scheduled Meeting	Outlook Plug-in	Virtual Meeting Room	RTMP Live	One-touch Conference Access	Conference Control

Key Features

- Cloud-based distributed architecture
- Supports virtualization deployment: VMware and Hyper-V
- All-in-one
- Server Federation Management & Multi-server Cascading
- Supports server cluster management and multi-host hot standby
- Integrated GK server and H.460 traversal server, supports H.323 registration
- Supports interoperability with Microsoft Skype for Business (Lync) clients for audio, video and content sharing
- Support whiteboard and annotation

- Supports large broadcasting interactive conference, holding up to 1,500 parties
- Adopting advanced ICE/TURN/STUN/NAT firewall traversal technology, supports deploying conferencing nodes in a public DMZ deployment
- Supports SIP Trunk, interconnection with audio and video gateway
- TLS/SRTP/HTTPS and dynamic password ensures the security of conferences
- Deeply integrated with Yealink VC devices, support conference reminder and one-touch conference access

Specifications

System Services Modules
- MCU
- Registrar Server
- Traversal Server
- Meeting Management Server
- Device Management Server
- Enterprise Directory Server
- SIP Trunk Server (Audio & Video)
- WebRTC Server
- GK & H.460 Server
- SfB (Lync) Gateway
- Recording Server
- Collaboration Server

Audio and Video Features
- 1080P60 for video and 1080P30 for content
- Video resolution: 4K, 1080P, 720P, 360P, 4CIF, CIF
- Video codec: H.265, H.264 High Profile, H.264, H.263, H.263+, VP8
- Audio codec: Yealink ARES, Opus, G.722.1C, G.722.1, G.722, G.711(μ/A), G.729, G.729A, G.728, G.729AB, AAC-LC
- Forward Error Correction (FEC), anti 30% video and 70% audio packet loss
- Bandwidth dynamic adaptive adjustment

MCU Features
- Continuous Presence for users on every port
- Universal transcoding, mixed bandwidth, resolution, frame rate and audio codec within the same conference
- The ability to stack several MCUs together for increased capacity
- Large interactive broadcasting conference (up to 1,500 parties from External Server)
- Flexible layouts: Equal NxN (N=2, 3, 4, 5 ,6 ,7), onePlusN (N=0, 4, 7, 9, 12, 16, 20), twoPlusN (N=8), Overlay and Selected Speaker
- Equal and onePlusN layouts dynamically scale as more parties join
- Unicode conference and site names for on-screen display
- Voice activated speaker
- Configurable video carousel
- Unlimited concurrent Virtual Meeting Rooms
- Dynamic conference ID and password without conflict
- Configurable Permanent Virtual Meeting Room and favorite contacts
- Interactive Voice Response (IVR)/ Auto- Attendant audio prompts service
- SIP URI call
- Cascading Video Conference

- Supports VC devices to join an AV-MCU meeting
- Supports SfB (Lync) clients to join Yealink VMR
- Supports P2P call between Yealink device and SfB (Lync) client

Registrar and Traversal Features
- Supports up to 100,000 accounts
- Supports import and export accounts through EXCEL templates
- Supports ICE/TURN/STUN/NAT/H.460 firewall traversal technology
- Organizational structure and user accounts grouping management
- Third-party devices H.323 and SIP registration
- P2P call without bandwidth and port resources consumption
- Enterprise directory database synchronization
- Synchronize directory from Microsoft AD Server

Meeting Management Features
- Integration of OA to support scheduling meeting room
- Room system account associated with meeting room
- Schedule video conference and meeting room together through Web or Outlook
- Support frequent contacts
- Automatic synchronization of scheduled conference to Yealink video endpoints
- Conference reminder and one-touch conference access
- Automatic dialing and redialing
- Fast creates instant conference (Meet Now) and invites contacts to join in
- Join conference with browser and Chat in Conference (Chrome 52+, Firefox 52+, Safari 11+)
- Training mode conference and lecturer view

Conference Control Features
- Personal layout and broadcasting layout
- Display Native Video and Content
- Display audio parties
- Conference Monitoring
- Invite/remove participants
- Lock/unlock and end conference
- Conference lobby
- Mute/unmute audio and video
- Block/unblock audio
- Apply for speaking in training mode
- Participants' role free switching between broadcasting and interactive
- Content sharing permission

- Invite contacts, H.323/SIP device, SfB (Lync) client or RTMP address
- Manual/automatic roll call and export record
- Fast call
- Full HD Recording, VOD and Management from external recording server
- Conference banner and conference process
- Dynamic/static subtitle messaging to individual or all parties
- Display or hide participant name and status
- Rename
- Call statistics
- Far-end camera control

System Management Features
- Friendly Web UI and setup wizard
- Web-based real-time dashboard for network administration
- Real-time data updates on capacity and system information
- Email notification and configurable SMTP email template
- User customization
- Number resource allocation
- SNTP or manual setup time and DST
- License management
- Multilevel Administrator Authority Management
- Statistics and analysis of conferences, MCU resource and CDR
- Global call strategic policy and video display policy
- Personal SIP Trunk IVR
- Import trusted CA certificate
- Blacklist, whitelist and intelligent security strategy
- System upgrade, backup/restore, reboot/factory reset and system log, Network Ping and Packet Capture
- Device firmware automatic upgrade, reboot, factory reset, packets capture, export logs and export configuration file

Network and Security Features
- H.323/SIP/RTMP
- Dual stream protocol: H.239/BFCP/RDP
- TCP/IP (IPv4, IPv6), static IP
- SRTP/TLS/H.235, AES (256) encryption
- HTTP/HTTPS Web Server
- SSH remote secure access
- SNMP
- QoS

About Yealink

Yealink is a global leading provider of enterprise communication and collaboration solutions, offering video conferencing service to worldwide enterprises. Focusing on research and development, Yealink also insists on innovation and creation. With the outstanding technical patents of cloud computing, audio, video and image processing technology, Yealink has built up a panoramic collaboration solution of audio and video conferencing by merging its cloud services with a series of endpoints products. As one of the best providers in more than 140 countries and regions including the US, the UK and Australia, Yealink ranks No.1 in the global market share of SIP phone shipments.

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