



# Conference recording management platform server

Embedded software: recording file transfer algorithm software V2.4

TS-0620MA



## Description:

Conference recording management platform adopts embedded Linux operating system, which is efficient, stable and reliable. Working with conference recording controller, it is carefully designed according to the needs of corporate conferences to solve the problem that enterprise users cannot watch the meeting live broadcast in real time and obtain the latest information of the meeting. The main functions of the platform include: meeting reservation, meeting live broadcast, meeting review, video on demand, news announcement, information release, user management, etc.

## Feature:

Video on demand

1. No plug-in on-demand: support customers to demand video resources directly through the browser without installing special playback plug-ins.
2. Video recommendation: provide users with recommended videos on the home page according to the on-demand times, liked videos, and administrator setting.
3. Video classification: administrator can classify and manage videos with flexible rules, and users can search and browse videos according to the classification.
4. Popular videos: for newly uploaded videos in the system, you can set whether to display on the homepage in the background, so that users can view the latest videos.
5. Video search: all videos in the system can be searched by title, keywords, and video knowledge points. The searched videos can be sorted according to the latest release, highest popularity, and downloads, so that users can find the videos they need.
6. Video playback: watch videos online, support uploading video attachments in the background for users to download.
7. Upload videos: users can upload local videos in multiple formats to the platform, and edit and manage the videos. Non-mp4 format video supports online automatic cloud transcoding, and video resolution can be switched. The video introduction supports graphic description. Support video storage time setting to automatically delete videos regularly.
8. Visitor record: automatically record video watching users.
9. Video editing: administrator can edit the video online and manage attachments in the background.
10. Video viewing permissions: support to set video viewing permissions in batches according to organizational structure, position, and user name.
11. Video attachments: support to add video attachments when uploading videos.
12. Highlight marking: support for marking highlights of the video.
13. Test while watching: support setting test questions. When users watch the video to the certain time, the question will automatically pop up. The result of the question will be displayed at the end of the video.
14. Screenshots and comments: support ratings and comments while watching videos, and support screenshots and comments on videos.
15. Watching statistics: count the user's watch time for videos.
16. Video introduction: support graphic description, upload poster introduction.
17. Sharing restriction: set whether the video supports sharing.
18. Download limit: set whether the assessment video supports download
19. Video watermark: add watermark to the video for anti-counterfeiting.

Live broadcast

1. No plug-in live broadcast: support to directly watch live broadcast through browser without installing special playback plug-in.
2. Live broadcast interaction: during the live broadcast, users can discuss through barrage.
3. Video recording: support live video recording, the recording file can become on-demand video after approval.
4. Appointment and immediate live broadcast function. Choose whether to record during the live broadcast, support live broadcast password setting, and the user can watch the live broadcast after entering the correct password.
5. Live introduction can be added in the background for users to view.
6. Live broadcast list is categorized according to the started and unstarted live broadcasts, and the unstarted live broadcasts are arranged according to the time, so that users can clearly understand the daily live broadcast appointment time.
7. Live broadcast muting: administrator can mute some users to prevent some students from disrupting the class;
8. Sensitive word processing: administrator can configure sensitive words, and filter, replace, or delete sensitive words.
9. Support multi-bit rate: support SD, HD, and full HD three definition settings during live broadcast, and can be switched in the player window during playback.

Course album

1. Course album supports to associate platform materials, videos, and local files. Users can integrate relevant materials and courses into an album for release.
2. Album classification: customizable album classification and flexible management.
3. Album sharing: share the content of the course album.
4. Viewing permission: album viewing permission can be set to restrict users of course viewing.
5. Album ranking: support albums sorting according to release time and popularity.

Resource management

1. Resource search: materials uploaded by users, such as documents, videos, audios, and pictures, are directly collected on the platform. You can search by keywords to obtain useful resources.
2. Resource ranking: support display of resources according to latest and download volume, and support direct upload of resource in the background. Resource uploaded by front-end user needs to be reviewed by the background and can be displayed after passing.
3. Resource application: you can read the uploaded relevant word, PDF, Excel, PPT materials online, and can also download or collect and share resources as needed. Support users to rate resources.
4. Resource classification: support custom resource classification and flexible resource management.
5. Viewing permission: support customizable resource viewing permission, and support restrictions on organization, positions, and user accounts.
6. Download/sharing restriction: set whether to support downloading and sharing.
7. Private resources: support administrator to set private resources, which cannot be viewed by others.

News announcement



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#### Feature:

1. Publish news: administrator can set news announcement classification and publish announcement content in the background. Support important announcements on top.
2. Announcement list: support to display sticky announcements, and support to like and interact with the content when viewing announcements.
3. Announcement attachments: support for adding announcement attachments, which users can view and download.
4. News classification: support custom classification for news announcements.

#### Account setting

1. User can set personal account information, modify the avatar, add mobile phone, email and other information.
2. Support users to modify the login password.

#### Background management

1. Webpage setting: customize webpage title and logo.
2. Logo setting: support user-defined upload logo to platform.
3. Platform setting: support to add, edit, and disable to the navigation bar. Support users to customize the footer version information.
4. One-click graying: support platform one-click graying
5. Carousel picture management: support users to customize the carousel picture page of homepage, information, album, and video on demand. Support to set link to jump directly to the relevant page after clicking on the carousel.
6. Announcement management: support administrators to add, edit, disable, and delete announcements. Announcements can be classified and topped. Announcement attachments can be added.
7. About us: support administrator to modify the company information introduction.
8. Sensitive word setting: support administrator to set sensitive words, disable and replace sensitive words, and support classification operations on sensitive words.
9. Organization structure: support custom organization structure, up to 9 levels can be added.
10. Position information: user positions can be set, and position information can be associated with viewing permission.
11. Role management: default role of the platform is administrator and staff. Administrator has all the permissions of foreground and background, and staff only has the permission of foreground: users can add roles with corresponding permissions according to needs.
12. User management: support manual addition, registration application, and batch import of user data. Support to associate position information with users. Support disabling, enabling, and deleting user accounts.
13. Registration management: support approval of new registered users, support batch approval and batch rejection, and support to view user registration details.
14. Operation log: record the background operation log.
15. Video list: display VOD list, and support to add, edit, preview, download, push to homepage, watch statistics, and delete videos.
16. Push to homepage: popular videos on the homepage are sorted in order of release time by default. Administrator can customize recommended homepage setting in the background, and the required videos can be pushed to the corresponding position of the popular on-demand videos on the homepage.
17. Transcoding information: all uploaded videos will be automatically transcoded in the cloud. Transcoding can switch the video to playable mp4 format and achieve resolution switching.
18. Upload setting: can limit the size of the uploaded video.
19. Transcoding setting: can limit video transcoding, support setting of immediate transcoding or idle transcoding to improve platform performance.
20. Video storage setting: support to set default video retention period, and the videos that exceed the period will be automatically deleted. Support setting to save video separately.
21. Insufficient storage space prompt: when the platform storage space is less than 20%, it will automatically prompt users to expand or clean up useless video files.
22. Live broadcast list: display all live broadcasts that have not started, are in progress, and have ended. The live broadcast can be previewed, and be shut down immediately.
23. Scheduled live broadcast: support immediate live broadcast and scheduled live broadcast, support setting of live broadcast passwords, and choose whether to record. The recorded live file can become on-demand video after approval. Support uploading live broadcast cover, and live broadcast introduction can display graphic description, which is recommended to display in poster format.
24. Live recording files: display live recording files, which can become on-demand video after approval. Support platform recording and receiving recording and broadcasting controller recording files.
25. Equipment management: display the connected recording and broadcasting controller equipment, and edit the equipment information.
26. Resource management: support the management of platform resource, support to preview, edit, download resource and set private resource, and support to upload data in the background.
27. Document review: can review the document submitted by front user in the background. After the review is passed, the document can be displayed at the front ground.
28. Album management: can manage platform album information. When adding albums, it supports associated platform information, platform videos, and local files. Users can integrate materials with related attributes into an album, or into a video collection.
29. System setting: administrator can view the system operation status in the background, including display of running time/memory/CPU/disk usage.
30. Time setting: support for synchronizing local time, support for modifying server time.
31. IP configuration: support administrator to set the platform IP, this operation is only valid for the super administrator.
32. Recycle Bin: support clearing, restoring, and deleting the content of the Recycle Bin.
33. Platform storage: support setting up local storage or cloud storage according to customer needs.

#### Specification:

<b>Model</b>	TS-0620MA
<b>Cabinet</b>	2U rack-mounted cabinet; high-quality 1.0mm galvanized steel sheet, stable structure, excellent anti-electromagnetic interference and anti-radiation capabilities, in line with EMC design standards
<b>Hard disk</b>	Support 8 hot-swappable hard drives, support RAID 0, 1, 5, 6, 10; standard enterprise-class hard drives HDD-4TB*1 and 32G SSD hard drives; hard disk extraction is more convenient, support hard disk hot swap
<b>CPU</b>	1*Intel Xeon Silver (2.1GHz, 8 cores, 16 threads)
<b>RAM</b>	Standard 8G ECC DDR4 memory; support maximum 256GB DDR3 1600/1333MHz RECC DDR3; 8 memory slots
<b>LAN</b>	2 10/100/1000M bps network ports
<b>I/O port</b>	Front 2 USB 2.0, rear 2 USB2.0; 1 fast UART16550 serial port; 1 VGA video port
<b>Hardware monitoring</b>	Fault/error/overload and alarm (including disk/RAID/power/fan/temperature/IO performance)
<b>MTBF</b>	100000/H (MTBF)
<b>Power supply</b>	500W server power supply
<b>Input voltage</b>	100-240V, 50/60Hz
<b>Working temperature</b>	-10°C~60°C
<b>Relative humidity</b>	5%~90%, no condensation
<b>Dimension</b>	560×440×88mm (L×W×H)