



Recording Controller

Automatic recording control embedded software V3.11

TS-0650M



Description:

The fully automatic eight-position recording control adopts integrated hardware equipment, embedded Linux operating system, highly integrated image recognition and tracking, intelligent guide broadcast, live broadcast, VOD, acquisition, recording and other system modules. It's the latest generation of multimedia information recording and dissemination equipment that we independently developed that meets the needs of conference recording, training and learning, interactive teaching, etc.

Feature:

- * Using integrated hardware design, embedded Linux operating system, highly integrated image recognition tracking, automatic guide broadcast, live broadcast, on-demand, acquisition, recording and other system modules, easy to use and maintain, with high security.
- * Based on B/S architecture, log in to the web to realize functions such as live broadcast management, signal management, group management, user management, file management, scheduled recording, central control management, and system management.
- * Audio adopts AAC HD encoding method, and the audio and video are accurately and synchronously recorded.
- * Video adopts H.264 encoding method with adjustable bit rate. Support video encoding from 256kbps to 12Mbps, and support 1920x1080 resolutions.
- * Support encryption algorithm, which guarantees that the genuine machine can only be used after activation. Support the authorized use date.
- * 2.2 inch LCD screen displays system hard disk space, version number, recording status, IP address and other device information.
- * The controller comes with 2TB memory space; A maximum of 2000 class hours courseware can be stored. Support frequent use for more than one year. Support automatic deletion of old files and loop recording.
- * 3 HDMI signal input interfaces to connect to computer or camera.
- * 4 SDI signal input interfaces to connect to camera.
- * 1 Y/CBR composite signal input port to connect external signal sources.
- * With 8 network signal inputs, adopt standard RTSP stream access to collect network camera signals.
- * Support simultaneous input of up to 8-channel video signals, and the signal type supports HDMI/3G-SDI/IP.
- * 2 HDMI video output interfaces for connecting external display devices.
- * 3-channel 3.5mm audio input interfaces for collecting external audio signals.
- * 2-channel 3.5mm audio output interfaces for monitoring or connecting to external sound reinforcement equipment.
- * 4 RS-232 control interfaces for seamless signaling docking with other control systems.
- * 3 USB ports for connecting U disk or keyboard and mouse.
- * 2-channel 802.3ab 1000Base-T gigabit network interfaces, support IPv4 addresses and IPv6 addresses.
- * Support manual guide through guide software, and can also cooperate with the built-in automatic guide module for fully automatic guide.
- * With the remote control of the control panel, by clicking the panel button, the controller can perform input source screen monitoring or guide broadcast switching, recording mode switching, start recording and stopping, special effect switching, camera control and other functions.
- * It can operate the rotation and zoom of up to 8 PTZ cameras at the same time. And support image click tracking, one button to get in place.
- * Support single-stream single-screen/single-stream multi-screen/multi-stream multi-screen recording mode, which can realize that each input signal can be saved as a separate file. Support simultaneous recording of 5 channels of video images at the same time, customizable categories for classified recording and storage, and support multiple formats such as MP4, AVI, MOV, FLV and MKV.
- * Support 7 screen layouts including three screens, four screens and dialogue screens, and support 2 custom screen layouts to meet individual needs.
- * Support custom segmented recording, with duration of 30-480 minutes, which can seamlessly connect non-linear editing tools of other manufacturers.
- * Support PVM and PGM dual screens, support output switching effects when switching output display, including 12 kinds of screen switching effects such as gradual change, erase, push, extend, and fly-in.
- * Support subtitle setting, built-in subtitle templates, users can customize the font size, color, and position.
- * Support online voice transcribing function, realize speech-to-text and automatically generate subtitles.
- * Support custom adding title function, support uploading custom title and customizing the length of display time.
- * Support tagging each video screen to distinguish the screen and display different content.
- * Support appointment recording function. After the appointment recording class schedule is edited, it will automatically record according to the scheduled time, and automatically produce the file name with information such as venue, speaker and subject.
- * With VOD on-demand module, online video playback, pause, jump and other operations can be performed through the network.
- * Support live broadcast function, support simultaneous live broadcast of 50 users in LAN; support standard RTMP streaming protocol, which can be docked to a third-party live broadcast platform for online live broadcast, and is convenient for expanding the number of live broadcasts.
- * It can cooperate with third-party FTP file server to automatically upload backup files, and the courseware is automatically sent to the file server. File uploads and downloads automatically adjust bandwidth to prevent network congestion.
- * Support video file repair function. During recording, video files damaged by power failure can be repaired.
- * Support one-button reset function to avoid file corruption, loss of IP address, loss of administrator password and system failure.
- * Support one-button upgrade function. The function upgrade can be realized by importing firmware.
- * Support software central control, fill in the central control instructions in the recording management interface, you can use the interface for central control operation, docking other devices to support one-key central control instructions.
- * Support docking with private cloud platform server. After successful docking, the cloud platform can perform unified management and control of the equipment, facilitating the management of multiple recording equipment.
- * Support the user's group management function, each user can be assigned its account number and password. After the user is authenticated and authorized, the user can watch live and on-demand files, and it has group management function to ensure that the corresponding users can only access the corresponding files.

Specifications:

Video protocol	H.264
Code stream	256Kbps~12Mbps
Video output format	MP4/MOV/MKV/FLV/AVI/TS
Audio protocol	AAC
Live broadcast protocol	Support TS, RTSP, RTP and RTMP real-time protocol streams
Network protocol	Support TCP, UDP, RTMP, RTSP, FTP, DHCP, HTTP protocol
Video input interface	4 SDI HD video interfaces, 3 HDMI high-definition video interfaces, 1 composite video interface
Video output interface	3 HDMI HD video interfaces
Input resolution	1920x1080P60/P50/I60/I50/P30/P25fps
Input resolution	1920x1080P60/P50/P30/P25fps, 1280x720P60/P50/P30/P25fps, 720X576P60/P50/P30/P25fps
Audio input interface	3 3.5mm audio interfaces
Audio output interface	2 3.5mm audio interfaces (synchronous output)
Network port	2 Gigabit Ethernet ports
USB interface	3 USB 2.0 interfaces
Control port	4 RS-232 interfaces
Panel button	1×switch button
Storage	2TB
Power supply	DC 24V/5A
Power consumption	45W
Weight	4.2kg
Size	484×310×60mm (L×D×H)
Operating temperature	-10°C~55°C (ambient temperature in a well ventilated environment)
Relative humidity	20%~80% Relative humidity, no condensation