Court Trial Recording and Broadcasting Host TS-0660C
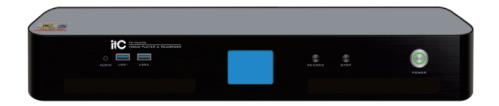
Automatic recording control embedded software V3.11

Specification

Model	TS-0660C
Architecture	ARM+DSP architecture
System	Embedded Linux
Video input	2xHDMI IN interfaces, 4x3G-SDI interfaces, support 8xIP streams
Input resolution	1920x1080P60 and downward compatible
Video output	2xHDMI out interfaces
Output resolution	1920x1080P60 and downward compatible
Video frame rate	25fps-60fps
Video bitrate	128Kbps-12Mbps
Audio input interface	3-channel LINE IN audio
Audio output interface	2-channel Line out outputs
Audio coding	AAC
Reset button	1 reset button
RS232 control serial port	2-channel RJ45 RS232 control serial ports
USB interface	2 USB3.0 ports
DVD drive	2xDVD drive
CD format	DVD±R, DVD±RW, DVD±RDL, etc.
Hard disk	2TB internal hard drive
Display screen	2.2 inch LCD display
Network Interface	1 RJ45, 1000M adaptive Ethernet
Network protocol	Support HTTP, FTP, RTP, RTSP, RTMP, HLS, UDP, TCP, multicast, unicast
Transfer protocol	IPV4, IPV6
Stream type	H.264 standard stream
Browser	Google, Firefox, 360
Interface protocol	ONVIF, VISCIA, RS-232
Configuration management	WEB configuration, director configuration, upgrade
Power supply	DC24V 5A
Power consumption	< 50W
Operating temperature	-10℃~55℃
Dimension (L * W * H)	440mm*295mm*66mm
Weight	About 2.5kg

Description

It is a professional intelligent audiovisual equipment for "Sunshine Court" and "Technology Court". Equipped with system products and equipment, it realizes an intelligent solution for perfecting public security law. And it supports functions such as disc burning, backup recording, voice tracking, and live.

Feature

* Video processing: support multiple video port inputs, including 4-channel SDI signals, 2-channel HDMI signals, network camera signals, and supports 8-channel video inputs. You can choose HDMI, SDI, network, and JPG video signal input; Support 2-channel HDMI output previews, and support PGM and console image output; 1920x1080p60 frames and 12mbps video parameters;

* Audio processing: support audio input. The access signal comes from the audio source input of the conference host. It communicates with the conference host through the serial port, and connects the voice excitation of the conference host to achieve voice tracking. Support 3 Line in and 2 Line out；

* Appearance: the height of the device is 1.5U, the 24V5A screw with lock is provided to fix the DC head, the 2.2-inch liquid crystal display panel is provided, the recording information, the device model, the disk space capacity and the network information can be checked, and the operation of 2 buttons is supported;

* Tracking processing: Multi-picture definition combination, multi-picture synthesis of pictures, including picture-in-picture, three-picture, four-picture, quarter-picture, and six-picture synthesis; through voice sensing and voice control, it tracks and switches between the judgement bench, prosecutor, defendant, defense stand, audience stand, and exhibit stand, etc.;

* Video encoding: Support resolution, frame rate, and bit rate settings for PVW and PGM, the maximum resolution supports 1920x1080P60 frames and 12Mbps video parameters;

* Video tags: Support tagging each video screen, distinguish the video screens of the judgement bench, prosecutor, defendant, defense, and auditorium. Support different subtitle template settings and position settings; support three LOGO screens to be displayed at the same time, and support LOGO for transparent selection of different background colors.

* Disc recording: support 2TB hard disk storage space, support dual DVD burning drive at the same time, support dual disc double layer 8.5GB DVD disc burning, ultra-high-definition video recording duration, support 8-hour seamless continuous recording of dual-disc, high-definition video recording dual-disc duration up to 16 hours of seamless continuous recording; support simultaneous dual-backup recording of optical discs and hard disks; automatic complete disc sealing and exporting after the recording is completed; support manual and automatic recording methods; support no disc/space shortage warning, dual discs seamless burning and other functions;

* Hard disk recording: Support recording screen selection, 1+4(MAX) recording, support 30-480 minutes video split time, support CD burning and sealing operation selection.

* Video archiving: The video is automatically archived to the file server during live, and it can be automatically transferred to VOD (awaiting review status), saving manual management costs, and providing VOD retrieval and sorting;

* Video live: Without adding any live equipment, it supports 50-channel CDN high-definition video distribution function and watching through IOS, Android, and Windows devices in the case of web live;

* User management: multi-level user management, users and group permissions management, and performs hierarchical permissions management on equipment operations and previews;

* User operation: Provide more than 12 kinds of image switching special effects, including fade in and fade out, left cut and right cut, etc.; provide 12 preset channels for each video channel; provide one-key live and one-key recording, and record and save the recorded information; support custom addition of titles and endings, LOGO, subtitles and other functions, and display time customization; provide video tagging for each channel of video;

* File management: File management of the user's video files, support sorting by time, and support precise search functions for video file case number, cause, appellant and other related information, support file name editing, and MD5 encryption to prevent file tampering;

* Recording schedule: Support for scheduling the recording of the device. You can edit the date, time, recording duration and recording information in advance. Support at least 50 schedules;

* Equipment integration: 2 RS-232 ports; support HTTP API protocol, and provide files as attachments for seamless integration with other systems; at the same time, provide central control code command integration, support central control commands such as recording and switching; Support the transparent transmission of central control commands, and it can control other devices through the host;

* Platform integration: support the integration with court trial system platforms, support integration with court trial live platforms through RTSP/RTMP/HLS and other network live protocol, support live time preset, one-key switch; support third-party FTP file upload, support to preset the immediate upload and scheduled idle upload;

* System management: Support APP operation, hard disk space, disk space query and warning. Support equipment global unique identification, equipment asset management, remote upgrade, global synchronization of system time, remote switch and network configuration, IPv4 and IPv6 protocols etc., remote activation and verification of the machine;