



Wireless Portable HD Recording and Broadcasting Controller

TS-0660



Description

* The 8-CAM recording and broadcasting controller adopts professional image-processing chip, realizing full HD recording & broadcasting function, and easy operation and management. It uses wireless connection way, very convenient in installation.

Feature

- * The controller adopts integrated ARM + DSP hardware design, nonindustrial PC with acquisition card, pure embedded structure. It is easy for operation and maintenance. It adopts fan-less design, with 17.3 inch LCD touch screen. It supports broadcasting instructor operation by connecting a screen and a mouse.
- * Support 8 video signal inputs. Every input supports self adaptation of 3G-SDI/HD-SDI signal and 1080P60 video input.
- * The controller supports wireless connection function and support to connect external antenna. It can be upgraded to wireless mobile unit.
- * The controller has electric storage function, supports to 5 - 8 hours battery life.
- * The broadcasting instructor software supports 10 channels video images to be showed at the same time, it can configure 3G-SDI, HDMI, IPC and local video files. It supports IP camera signal, local uploaded video, pictures, etc.
- * Support 2 channel HDMI audio and video simultaneous output.
- * Support 3 channel audio input at the same time, 1 channel LINE-OUT, 1 channel 3.5mm earphone monitoring port. All the audio ports adopt standard industrial 3.5mm phone jack. Support hardware LINE-IN to realize analog audio mixing.
- * Support 2 RS232/RS485 interface (industrial RJ45 interface), can be seamlessly connected with other control system.
- * Support 1 channel 802.3ab 1000Base-T network port.
- * Support USB2.0*2, USB3.0*1, used to connect external USB devices (mouse, keyboard, U disk, mobile hard disk, broadcasting instructor station, etc).
- * Support one-key video recording, multi-image combination, self-defined image combination. Support 12 kinds of effects (fade in-out, erasure, window blind, etc), 8 channel switching buttons, easy for the user to operate the system.
- * Support H.264 coding, standard stream media format including MP4, AVI, MOV, FLV and MKV, etc. Support audio AAC coding, audio and video can be recorded simultaneously.
- * Video code rate is 128Kbps - 12Mbps adjustable, audio track, sampling rate, bits and code rate adjustable.
- * The recording mode supports movie mode, movie + resource mode. Movie mode and resource mode video can be recorded simultaneously. The user can choose the video channel which needs resource recording to back up. It supports 2 channel movie

- recording + 4 channel resource recording at the same time.
- * Support to insert subtitle, titles, credits, corner mark, time, etc. Support manual and automatic subtitle releasing, support LOGO base map removing function and 5 base map color.
- * Support RTMP plug flow, RTSP pull flow and local multicast protocol. The viewer quantity has no limit if the network condition permits. RTMP live broadcasting adopts main stream FLV format encapsulation, high compression ratio, low bandwidth.
- * Support cross-network segment, live broadcasting and video-on-demand broadcasting in WAN, multicast and unicast. The system supports automatic reconnection when it is offline in live broadcasting. The live broadcasting supports dual-stream pushing.
- * It supports local broadcasting instruction (the controller has broadcasting instruction software) and network remote broadcasting instruction. The network remote broadcasting instruction supports IE configuration and PC software broadcasting instruction. PC software is integrated with class query and remote broadcasting instruction function, it can make the user to instruct the broadcasting and look over broadcasting of each room in control room or in the office. The interfaces of network remote broadcasting is similar with that of embedded instruction broadcasting, which make the user easy to learn how to operate it.
- * Support the live broadcasting and video-on-demand broadcasting function in IOS/Android/Windows systems.
- * Support remote FTP download of the recording and broadcasting files, support third-party FTP server to upload the recording file automatically, support to set specific time of uploading the files to FTP server automatically, to avoid network congestion.
- * Support automatic recording, the user can set the recording time in advance, no need manual recording one by one.
- * The controller supports open tracking protocol and it also support image tracking. The user can set the switching command code and scene switching strategy freely. The list-type switching strategy list is easy for the user to modify the information.
- * The controller support shortcut control function like one-key tracking, scroll to zoom. Each video channel support 12 camera reset position.

Model	TS-0660
Screen	17.3 inch touch screen
Operation Interface	Graphic menu operation interface
System Structure	Embedded Linux System
Video Input	4xSDI+2xHDMI+1mixed signal + network signal
Video Output	2xHDMI output interface, can output the live broadcasting image of the system
Video Display	Single image, picture in picture, 1/2/3/4 split screen, 2 customized channels
Video Standard	H.264 protocol
Input Resolution	HDMI: 1920*1080P@60fps, 3G/HD-SDI, 1920*1080P@60fps
Audio Input	3 channel LINE IN
Audio Output	2 audio output (1 channel terminal LINE OUT, 1 channel 3.5mm earphone monitor LINE OUT)
Audio coding	AAC
Audio Recording Mode	Audio and video recording simultaneously
Video Recording Format	Support MP4/MOV/MKV/FLV/AVI, etc
Video Encoding Frame Rate	1fps~60fps
Video Code Rate	128kbps~12Mbps adjustable
RJ45 Network Interface	1 channel 802.3ab 1000Base-T network interface
USB Interface	2 USB3.0 interface (connect mouse, U disk broadcasting instruction station)
Instruction Broadcasting Function	Video preview/live broadcasting image monitoring/ video switching/Preview the monitoring of live broadcasting image/multiple split screen display of live broadcasting image/dual movie instruction broadcasting mode/audio adjustment/title and trailer/special effects/subtitles, corner mark Logo, etc.
Live Broadcasting & Recording and Broadcasting function	Real-time live broadcasting/ synchronized recording/movie-mode recording/resource-mode recording/synchronized working of movie-mode recording and resource-mode recording/manual and automatic instruction broadcasting/ one key to start plug flow and recording/local channel playback/built-in player/ two movie mode simultaneously recording under dual instruction mode
Software Upgrading	Support network upgrading
Storage Mode	Support built-in hard disk(2TB), external USB; support USB recording import and export, support FTP downloading recording file, FTP uploading recording file.
Live Broadcasting Protocol	Support TS, RTSP, RTP, RTMP real-time protocol flows
Network Protocol	Support TCP, UDP, RTMP, RTSP, FTP, DHCP protocol
Electrical Characteristics	DC 24V/5A
Working Temperature(°C)	-10°C-55°C (under good ventilation)
Weight	7.25Kg
Size(mm)	440(W)x310(H)x85(D)