



## Feature:

1. FT-CN2TO-F is a product that integrates splicing, display, control, recording, and broadcasting functions. It integrates high-performance video processing and splicing display, multi-screen multi-location centralized management, remote signal source sharing, massive streaming media access, dynamic ultra-high resolution point-to-point display, streaming video recording and playback, environmental management, external device control and other functions. It can meet the needs of various industries such as security, command, transportation, public safety, energy, education, and conferences
2. It adopts Linux system distributed architecture design and decentralized architecture. It can expand any number of nodes without servers and master nodes. Each node is independent and Interference with each other, reduce system operation risk, and reduce maintenance costs
3. Fanless silent design, supports independent installation in 1U cabinet or installation of 2 units side by side at the same time
4. Each node unit uses H.265 data stream codec chip and is backward compatible to ensure the smooth operation of the system
5. Video input: support RTSP, RTMP protocol, private protocol, 2-way HDMI, embedded audio synchronous or asynchronous input, support port backup; support 1-way encoding, 1-way HDMI loop output
6. Audio input: support AAC, G.711, G.726, private protocol, support CBR/VBR, support frame rate adjustable 1-60fps, audio input interface, embedded audio synchronous or asynchronous input, supports volume adjustment, supports synchronous, asynchronous and mixing modes; supports multi-channel audio mixing playback, and lossless sound quality
7. Supports audio visualization module management, uses sliders to control the output volume of each node, can display the energy bar of the audio, and uses animation effects to display the audio status of the node
8. With 1 power indicator, 1 video signal indicator, 1 network status and signal transmission status light, 1 factory reset button, 3 USB 2.0 interfaces, 1 Gigabit network port, 1 Gigabit optical port, 2 HDMI video input and output interfaces, 2 3.5mm audio input and output interfaces, 1 RS232 interface, 1 RS485 interface, 3 IR/IO
9. Supports output signal with a maximum resolution of 1920\*1080@60Hz, backward compatible, supports custom resolution, range: 360x240~1920\*1080
10. Supports LED, DID, LCD, DLP Splicing, roaming, dragging, custom segmentation, multi-layer overlay display, single screen supports 16-channel video display and overlay at the same time; standard resolution output, seamless splicing
11. When opening a large screen window, it can support regular window opening such as 2\*2, 3\*3, and also support irregular window opening by manually dragging the random window layout
12. Support fixed bit rate transmission, adjustable range 128kbps~40Mbps
13. Support unicast and multicast
14. Support H.264 and H.265 IPC encoding cameras, IPC network camera signal access directly output display to the large screen, no third-party transcoding server is required, support pan/tilt zoom, zoom out, left and right rotation, etc.
15. The system scene can provide a one-key recovery function; the node device has programmable storage capacity, and can automatically restore the system to the state before power failure after power failure and restart, such as: volume, large screen switch, signal position, lighting environment, etc.

- 16. Supports signal source classification, grouping and sorting management functions, and can manage all signal sources in three levels of groups, display them in a tree form, and can also be sorted by name, IP, and custom methods; the client software supports no less than 50 channels of real-time dynamic image preview display
- 17. Supports OSD overlay display of device name, time, station logo, etc.; supports dual station logos, and can modify the station logo in text
- 18. Supports environmental control module, and can directly control lighting, curtains and other environments through RS232.RS485 and other serial ports without the help of central control equipment
- 19. Support OSD subtitle overlay, support high-definition background map
- 20. Support EDID extended display logo automatic recognition, support HDCP
- 21. Support POE and external power supply dual power supply mode
- 22. Support upgrading the encoding device through the network
- 23. Support optical network hot backup
- 24. Support node LCD display status display, can display node name, IP address, operating status, etc.
- 25. Equipment power consumption  $\leq 10W$
- 26. Working temperature  $-10^{\circ}C \sim 60^{\circ}C$ , working humidity 10%~90% without condensation