



### Feature:

1. FT-CN4TI-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 audio energy bar, 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 interface, 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. Support HDMI, DVI, VGA and other signals, the input signal resolution supports up to 3840\*2160@30Hz, backward compatible
10. Support fixed bit rate transmission, adjustable range 128kbps~40Mbps
11. Support unicast and multicast
12. Support H.264 and H.265 IPC encoding cameras, IPC network cameras Signal access is directly output to the large screen, without the need for a third-party transcoding server, and supports pan/tilt zooming in, zooming out, left/right rotation, etc.
13. The system scene can provide a one-key recovery function; the node device has programmable storage capabilities, 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.

14. 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, or sort them by name, IP, or custom method; the client software supports no less than 50 channels of real-time dynamic image preview display
15. Supports OSD overlay display of device name, time, station logo, etc.; supports dual station logos, and can modify the station logo in text
16. 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 and other equipment
17. Support OSD subtitle overlay, support high-definition background map
18. Support EDID extended display logo automatic recognition, support HDCP
19. Support POE and external power supply dual power supply mode
20. Support upgrading the encoding device through the network
21. Support optical network hot backup
22. Support node LCD display status display, can display node name, IP address, operating status, etc.
23. Equipment power consumption  $\leq 10W$
24. Working temperature  $-10^{\circ}C \sim 60^{\circ}C$ , working humidity 10%~90% without condensation