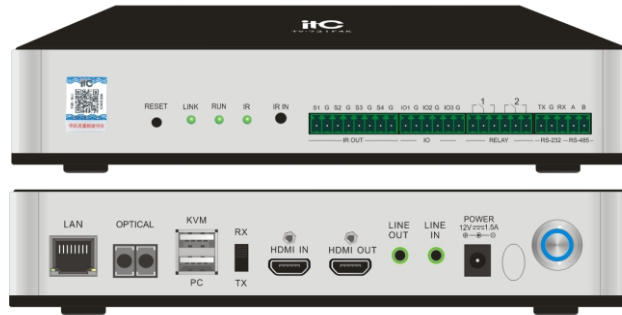




HD Integrated Terminal TV-731F4K

Embedded software: interactive programmable central control software V1.0



Description

The input and output integrated terminal of distributed integrated management platform covers powerful functions such as visual management, KVM seating management, splicing, network transmission, matrix, central control and fusion. It adopts a fully distributed structure for free unit extension, and uses a redundancy backup design, so that any unit failure will not affect the operation of the entire system, featuring high reliability and strong stability. It supports KVM cross-screen roaming and zero-delay mouse control. With embedded self-developed video splicing algorithm, it can be directly connected to LED video walls. In addition, the desktop installation (optional rack accessories) makes it neat and elegant.

Feature

- * Support the deployment of decentralized server-less architecture, each node is independent and does not interfere with each other, improving the stability and reliability of system operation.
- * Input and output integrated design makes it possible to be configured as input terminal or output terminal freely as needed.
- * Support up to 4K@30fps HD video signal input and output, and backward compatibility.
- * Support up to two 4K@30fps or two 1080P@60 H.265, support YUV4:4:4/YUV4:2:2/YUV4:2:0 multiple image formats, take into account image quality and signal compatibility.
- * Adopt multi-stream transmission mode; when using 4K input, it can still be compatible with 4K and 2K output terminals at the same time.
- * Support real-time preview of input signals through the client, and control the signal status.
- * Subtitles: without external equipment, it can display subtitles (such as welcome messages) on the splicing screen; font size, color, and position can be customized, and it supports scrolling subtitles.
- * Designed with a 3.5mm analog audio interface, support external audio and HDMI embedded audio transmission, and support audio embedding and de-embedding.
- * Support KVM function, realize audiovisual signal push and takeover, support KVM cross-screen roaming, support virtual mouse control, optimize KVM operation experience, support cross-platform operation, including Windows, Linux, Mac and other system platforms.
- * Support KVM signal visual management, adjust the number of single-page preview videos based on user needs, and the maximum single-page preview number reaches ten channels.
- * Support KVM role permission management, KVM signal management permission can be controlled through the server permission management function.
- * Support the virtual KVM function, realize the simulated mouse operation of PCs, servers and other equipment on the tablet side, support the control of the video playback source, and the operation of PPT page turning (previous page, next page).
- * Adopt a low-delay coding and decoding scheme, the delay from signal acquisition to the output picture is as low as 30ms.
- * Built-in self-developed video splicing synchronization algorithm, without splicing processor, it can directly connected to splicing screens such as LED, LCD, DLP, and the picture is synchronized without tearing.
- * With central control function, with independent 232 serial port, 485 interface, 3 IO ports and 4 infrared output ports, support user-defined programming.
- * The built-in infrared learning module can learn the infrared codes of infrared remote control devices including camera remote controls.
- * The control interface supports two-way data transmission, and supports access to sensor devices to display environmental data and other information on the tablet PC.
- * Support desktop installation, optional cabinet type cooling rack, and unified power supply management.
- * Use embedded Linux system, support 7x24 hours of continuous operation.
- * Support online batch upgrade through the server.
- * Support automatic recovery after a power failure.
- * Support one-key reset dynamic IP function.
- * DC12V power supply mode, low power consumption, maximum 9W.
- * Support dual link backup of fiber/network port.



HD Integrated Terminal TV-731F4K

Embedded software: interactive programmable central control software V1.0

Specification

Processing capability	Supports up to 4K@30fps, up to 2 channels of 4K@30fps or 2 channels of 1080P@60 H.265, support multiple image formats of YUV4:4:4/YUV4:2:2/YUV4:2:0
Codec capability	Support H.264/H.265 video encoding, PCM audio lossless transmission
Video port	1*HDMI IN, 1*HDMI OUT
Audio port	1*3.5mm stereo audio input, 1*3.5mm stereo audio output, input sensitivity: 775mV
USB port	2*USB2.0 (KVM port)
Network port	1*RJ45, 10/100/1000Base-T
OPTICAL port	1*SFP
Serial port	1*RS-485, 1*RS-232
Infrared port	1*IR learning window, 4*IR OUT
I/O port	3*I/O port
Weak relay port	2*RELAY port
Reset button	1*pinhole RESET button
Mode switch	1*input and output mode switch
Indicator light	Running indicator, optical fiber indicator, infrared signal sending indicator, power indicator
Power supply	DC 12V
Max power consumption	9W
Ambient temperature	-10°C~45°C (working state), -14°C~45°C (non-working state)
Working humidity	5%~90% (working state), no condensation
Weight	About 0.9kg
Dimension	222*117*43.8mm (L*W*H)