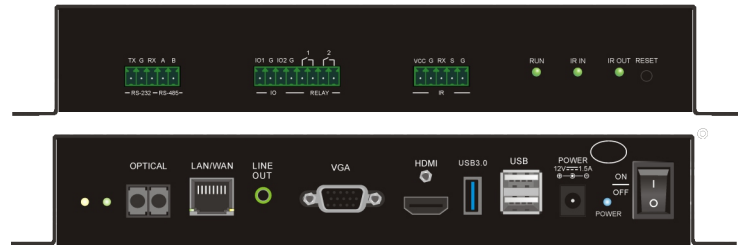# Output Box
TV-712AK

Description:

It adopts the most advanced embedded video decoding processor in the industry, can decode and output various audio and video signals to the display screen. With KVM and central control functions, and with a beautiful appearance.

Feature:

* Simple appearance, light weight, small size, and supports flat laying, screw wall hanging, and rope binding wall hanging.
* Adopt distributed architecture. When any node in the system fails, it will not affect the normal operation of other nodes.
* With ultra-low power consumption design. Support dual power supply of POE and adapter. The power consumption is only 7W at most. With good cooling and silent fanless design, no noise during operation.
* High-performance H.265 video decoding technology, compatible with H.264 video decoding, support HD video 1080P60 output.
* Support scaling, cutting, splicing, superimposing, synchronizing and displaying the video after decoding. Support 1x1, 2x2, 3x3 and other layout modes, and support manual customization of input lines and column numbers.
* Support screen splitting function, single-screen output video window up to 16, resolution up to 1080P30.
* Support AAC-LC audio codec.
* Support automatic configuration recovery after power-off restart, no need to worry about data loss.
Support remote firmware upgrade through system background management, no need to upgrade on the site, reducing the work intensity of maintenance personnel.
* It comes with "one key to reset" the dynamic IP function.
* Support 1 channel HDMI output and 1 channel VGA output, with 3.5mm audio interface output, support HDMI audio output, support audio and video synchronous transmission.
* Support KVM seating management function, switch the KVM seating signal by instructions in the signal management interface, a set of keyboard and mouse can be used to operate multiple monitors, making the operating desktop more succinct. Support KVM multi- screen mouse roaming function, support KVM single-screen multi-window mouse roaming function.
* Support KVM function, support control computer, LED wall video window switching and other functions; support mouse roaming cross-screen function; can achieve cross-platform operation, including Windows, Linux, Mac and other system platforms.
* KVM seating management can realize real-time information capture. By a set of keyboard hot keys, agents can capture any display or LED Wall information to local display, or push local display information to any display or LED wall.
* Support subtitle function, can change font color, font size, position, etc.; support icon function.
* System KVM function supports OSD menu quick takeover, supports visual preview of 10 signal source screen and information, making the operation more convenient.
* With central control function, support RS-232, RS-485, I/O port, infrared signal input and output, customizable configuration.
* Support boot screen factory settings, support function of displaying the local IP.

Specification:

Model	TV-712AK
Resolution	1080P30, 1080P60
Codec capabilities	Support H.264 / H.265 video encoding, AAC-LC audio encoding
Video interfaces	1 × HDMI, 1 × VGAI
Audio interface	1 × 3.5mm stereo audio output
USB interfaces	2 × USB (KVM interface)
Network port	1×RJ45, 10/100/1000Base-T, support POE
Serial port	1 × RS-485, 1 × RS-232
Infrared	1 × IR IN, 1 × IR OUT
I / O ports	2 × I / O ports
Indicator lights	Running indicator, infrared signal input, infrared signal output indicator, power indicator
Power supply	DC 12V (power adapter)
Maximum power consumption	7W
Ambient temperature	0 ℃ ~ +50 ℃ (working state) ~ -10 ℃ ~ +70 ℃ (non-working state)
Ambient humidity	5% ~ 90% (working condition), no condensation
Weight	About 0.85Kg
Dimensions(W×D×H)	250mm x 130mm x 40mm