# Wireless Screen Transmitter

## TV-814F4K

## Description

With powerful wireless screen projection function, it supports simultaneous connection of multiple video input sources and multiple interactive terminals; support rich screen cutting layout, the device directly outputs through Type C signal to achieve fast connection and 4K high-definition quality screen projection;It is suitable for various display scenarios such as intelligent interactive flat panels, LED splicing screens, and LCD splicing screens.

## Feature

* Support cross-platform wireless screen projection function; Support co-screen display of Windows, Mac OSX, Windows tablets, IOS tablets/mobile phones, and Android tablets/mobile phones to any display terminal wirelessly; The PC side supports screen sharing through the USB interface and Type-C interface of the screen projector, and supports software screen sharing.
* Support 4K screen wireless projection function, with a maximum resolution output and input of 3840×2160.
* Support 9 Screen sharing transmitter to collect images and display them simultaneously, and support 1/2/4/9 split-screen modes;With multiple built-in layout methods, and the layout method can be selected according to customer needs.
* The receiving end has a network setting function, which can set up the Wi-Fi connection between the local machine and the external network at the same time; when the mobile phone is connected to the receiving end for screen sharing, it can still access the Internet wirelessly.
* Support BYOM function, run the video conferencing software through a personal computer, call the camera and microphone connected to the receiver, and share the captured pictures to the computer.
* Support cloud screen sharing function, realizing  public network screen sharing, remote screen sharing, and cross-border screen sharing through the WEB end.
* Support application screen sharing, for example, designated browser screen sharing, designated document screen sharing; other application messages do not pop up, and other tasks can be handled during the screen sharing process to protect privacy.
* Support multiple screen sharing modes including password-free screen sharing and password-free screen sharing; support changing the screen sharing password through the background to prevent accidental screen sharing through software, mobile phones and other devices.
* Android and iOS operating system devices support pushing videos, photos, and music to the receiver through screen casting software.
* Support whiteboard annotation function; support generating QR code, scanning the code to take away the annotation file, and the source file can also be saved locally.
*  Equipped with Bluetooth module, support connecting to Bluetooth speakers via Bluetooth.
* Support user-customized startup interface to meet user needs in personalized scenarios.
* Support the scheduled power on and off function. The wireless screen sharing controller can be set to power on and off at scheduled times to ensure its own power saving and long-term stable operation of the machine.

# Wireless Screen Transmitter

## TV-814F4K

\* The transmitter and receiver pairing process has a percentage prompt, and there are corresponding prompts for successful or failed pairing.

\* Support configuring the hardware transmitter as the main control transmitter, allowing screen sharing exclusively without being interfered by other devices.

\* With a unified management platform; support reverse control of LED display through mobile phones, tablets, and computers; With a floating central control window to manage and control screen projection devices and check the number and status of screen projection devices.

\* Support PC, mobile phone, iPad, simultaneous mirroring control, and support setting of multi-terminal simultaneous control or host control mode.

\* Support touch reverse control function. In the screen sharing state, the computer desktop can be reversely controlled through the LED display, such as clicking, dragging, double-clicking, etc.; the LED display can also be reversely controlled through the mobile phone or computer desktop.

\* The screen projection transmitter can take a snapshot of the content displayed on the receiver and save it on the transmitter.

\* Support speaking on the mobile phone transmitter, and the voice can be directly entered into the sound system; while speaking, the video can be shared. Android phones or Apple phones can be set as the main speaker device and can control the receiving end.

\* It has the functions of dual-screen simultaneous display and dual-screen different display; two interfaces support displaying the same screen at the same time; it also supports one outputting the projection screen and the other outputting the welcome message, whiteboard, carousel video or picture, browser, gallery, calculator and other interfaces; it supports displaying the projection screen while writing on the whiteboard.

\* It has 1 AUDIO IN audio input interface, which supports inputting local analog microphone audio signals; through the BYOM function of the transmitter, the speech audio of the local analog microphone can be transmitted to the remote end of the video conference.

\* It has an AUDIO OUT audio output interface, which supports the BYOM function of the transmitter to output the remote audio signal locally for amplification.

## Specification

| Screen Transmitter(1pc standard) | |
|---|---|
| Wi-Fi module | 5GHz/2.4GHz |
| Wi-Fi bandwidth | 867Mbps |
| Maximum transmission resolution | 3840*2160 |
| Input frame rate | Type C 30fps |
| Transmission distance | Open space 30 meters/office environment 4K-15 meters |
| Touch reverse control | support |
| Wireless speed | Up to 867Mbps |
| Wireless transmission protocol | WiFi5 |
| Product size mm (L×W×H) | 80.85×21.33×194.64mm |
| Net weight | 0.113kg |
| Receiver | |
| System | Android 11.0 |
| CPU | RK3566 Quad-Core 64bit Cortex-A55 @1.8GHz, quad-core |
| GPU | Mali-G52 2EE, two cores |
| Storage memory | EMMC 16GB |
| Running memory | DDR 2GB |
| Supported languages | Chinese/English/French/German/Spanish/Italian/etc. multi-language |
| USB interface | 2×USB3.0、2×USB2.0 |
| HDMI IN interface | Interface: HDMI 2.0×1 |
| | Resolution: 1024×768, 1366×768, 1280×720, 1280×800, 1920×1080, 1920×1200, 3840×2160 (30Hz) |
| HDMI OUT interface | Interface: HDMI2.0×2 |
| | Resolution: 1024×768, 1366×768, 1280×720, 1208×800, 1920×1080, 1920×1200, 3840×2160 |
| Audio output method | HDMI OUT×2/AUDIO (small three-core interface) |
| Audio input method | HDMI INx1/AUDIO small three-core interface |
| Wired network | 1000Mbps, RJ45 interface |
| Wireless hotspot | WIFI6：5GHz/2.4GHz |
| Hotspot bandwidth | Up to 1201 Mbps |
| Hotspot loading | 16 devices |
| Number of simultaneous screen projections | 9 devices can be projected simultaneously |
| Wireless WIFI | 5G/2.4GHz dual-band |
| Bluetooth | Bluetooth V5.0 |
| Timer switch | 0-24 hours range (on/off interval is more than 10 minutes) |
| Receive frame rate | 25fps and below |
| Visual transmission distance | >30m@1080P |

# Wireless Screen Transmitter

## TV-814F4K

| | |
|---|---|
| **Software screen sharing** | Windows / Android / iOS / Mac OS / Chrome |
| **Hardware screen sharing** | Windows / Mac OS |
| **Third party transfer protocol** | AirPlay/DLNA/Miracast |
| **Private protocol** | Transcreen |
| **Touchback** | 10 points @Windows/Mac OS |
| **Wireless Notes** | <128 people |
| **Power supply** | DC 5V==3A |
| **Maximum power** | 4W |
| **Standby power consumption** | ＜0.10W |
| **Dimensions (L×W×H)** | 190×130×140mm (including antenna) |
| **Net weight** | 0.546kg |
| **Gross weight** | 1.304kg |
| **Temperature range** | Running: 0℃~+50℃  Storage: -20℃~+60℃ |
| **Operating temperature** | 0℃~+50℃ |