LED broadcast control processor

TV-L88TU60

Description:

A video playback and control processor for LED screen display, integrating Android application system and sending function, which can add third-party APP applications and has powerful interaction and playback control capabilities. It supports front LCD control and remote control of LED screen, and supports wireless screen projection on Windows, Mac OS, iOS, and Android multi-platform terminals. It provides 4 scene modes for different application scenarios, so that document presentation, video playback, and remote conferencing can all match the best display effect.

Features:

* Maximum loading capacity: 13MP, maximum width: 16384 dots, maximum height: 8192 dots;
* Desktop UI system customized based on Android 13.0, which can add third-party APP applications;
* It has a 4-core A73 + 4-core A53 ARM processor with a main frequency of 2.2GHz, supports H.264 and H.265 4K@60Hz video decoding, 4GB of onboard RAM, and 128GB of internal storage space;
* Capable of wireless screen projection on multiple platforms, including Windows, Mac OS, iOS, and Android systems;
* Supports 1-channel 8K, 3-channel 4K, 7-channel 1080P, 10-channel 720P, 20-channel 480P or 20-channel 360P video playback;
* Ability to install APP on mobile phone to realize program production and release and display screen control;
* Equipped with a remote controller for convenient broadcast control, local program broadcast control and simple program production can be performed on the display screen;
* Equipped with USB disk playback, supporting stand-alone playback, plug-and-play or copy playback;
* With dual WiFi mode;

* With one-button to turn on the eye protection mode;
* Support HDR image processing technology.

Specifications:

Input Interface	
HDMI1.3×1	HDMI1.3 input interface, supports custom resolution, widest 3840 dots, highest 2560 dots
HDMI2.0×2	HDMI2.0 input interface, supports custom resolution, widest 8192 dots, highest 8192 dots
USB2.0×1	USB interface, supports connecting mouse, keyboard, U disk and other common USB devices
USB3.0×1	USB interface, supports connecting mouse, keyboard, U disk and other common USB devices
DPx1	DP interface
Output Interface	
RJ45×20	LED Gigabit Output Network Port
Optical fiber interface × 2	10G optical fiber output interface, supports photoelectric conversion mode (excluding optical module)
HDMI 1.3×1, output preview image for device debugging	
AUDIO OUT × 1	Audio output interface
SPDIF×1	Optical digital audio output
Control interface	
Gigabit Ethernet port × 1	Connect to external network or connect to host computer software
WIFI 1-2	For connecting Wi-Fi antenna/Bluetooth antenna
WIFI 3	For connecting Wi-Fi antenna
SENSOR×2	Sensor interface, used to connect brightness sensor or temperature and humidity sensor
Phoenix terminal (12pin) × 1	

Other	
Input power	100-240V, 50/60Hz
Rated power consumption	53.9W
Operating temperature	-20℃～+50℃
Operating humidity	5%RH～85%RH, no condensation
Dimensions (length x width x height)	445.0mm×379.8mm×49.9mm
Net weight	4.7Kg

Software Introduction

The software for this LED screen display video playback and control processor is **comprehensive and powerful**, designed to meet diverse application needs across different usage scenarios.

Built on a **customized desktop UI system based on Android 13.0**, it allows the installation of third-party applications, significantly expanding functionality and adaptability.

Seamless Interaction & Screen Projection

The system supports **wireless screen projection** across multiple platforms, including **Windows, MacOS, iOS, and Android**, ensuring effortless content sharing from a wide range of terminal devices.

Advanced Video Playback Capabilities

With strong video processing capabilities, the software supports multi-channel playback in various resolutions:

- 1 channel 8K
- 3 channels 4K
- 7 channels 1080P
- 10 channels 720P
- 20 channels 480P
- 20 cha**nnels 360P**

It also supports **USB disk playback**, allowing for standalone operation with **plug-and-play** or **copy playback**, making local content management convenient and flexible.

Display Control & Management

Users can control the LED screen in multiple ways:

- Via a **dedicated mobile APP** for program production, release, and display control.
- Using a **remote controller** for convenient broadcast operation and on-screen program production.
- Through **front LCD control**, offering direct and flexible operation.

Optimized Display Performance

To enhance the viewing experience, the system includes **four scene modes** tailored for different applications (e.g., document presentation, video playback, remote conferencing). Additional features include:

- **One-button eye protection mode** for visual comfort.
- **HDR image processing technology** for superior image quality.

System Management & Reliability

The software supports **real-time monitoring and management** of LED display status, enabling users to track performance and make timely adjustments. It also comes with a **non-expiring license**, ensuring **long-term stability** without concerns about renewal or expiration.