A4K

Player

Specification V1.4

Overview

A4K is a new-generation cloud networking player that supports 4K H265/H264 hardware decoding, 4K VP9 decoding, and 4K@30Hz output. Based on the powerful Cloud platform, functions such as player monitoring, program creating, program scheduling, program centralized publishing, and multi-level management are supported.

A4K supports various networking methods such as WiFi, wired and 4G networking, and can be deployed quickly to achieve intelligent cloud management, including multi-screen, multi-business and cross-regional unified management. It can be configured as WiFi hotspot, and supports managing programs and setting parameters via smartphone, tablet and PC.

With PlayerMaster, you can edit and publish programs. Arbitrary multi-window layout and playback of various program materials such as videos, pictures, texts, tables, weather and clock are also supported. Program update and management can be achieved via plug and play USB flash drive and wired network. A4K can widely apply to commercial 4K LCD display, such as the screen of chain stores, retail stores and advertisement players.

Features

Brand-new breakthroughs

- Professional BS architecture, supporting accessing network via WiFi, LAN or 4G for cloud centralized management
- Multi-level management of cloud server and role-based program publishing
- Strong processing performance, supporting H265/H264 4K high-definition video hardware decoding and playback as well as 10bit video decoding and playback
- Up to 3840×2160@30Hz output resolution, maximum width: 3840, maximum height: 2160
- 32G storage (25G available), support playback via USB flash drive
- Stereo audio output

Safe and reliable

- Adopt industrial components, stable and reliable
- System authorization and data encryption
- Multi-level permission management, with rigorous audit mechanism for program publishing
- Real-time monitoring of playback content and timely feedback on operating status

Intelligent control, convenient management

- Plug and play content from USB flash drive
- Synchronized playback of multiple screens (GPS synchronization, NTP synchronization)
- Scheduled commands, LAN-based scheduling and Internet-based scheduling
- Support being configured as WiFi hotspot and being managed via smartphone, Pad and PC

Convenient program management

- Software with comprehensive functions for editing programs, flexible and convenient
- Multiple windows overlaying, whose size and location can be freely adjusted
- Rich media materials, such as pictures, videos, texts, clocks, stream media, webpages and weather
- Multiple program pages

Specification

Basic parameters

Hardware Quality	4K high-definition hardware decoding playback
Storage	32GB (25G available)
Loading capacity	Up to 3840×2160@60Hz, with a maximum 4096 pixels in width, or a maximum 2560 pixels in height
OS	Android

File format

Split program window	Support arbitrary splitting and overlapping of windows, and multi-page playback
Video format	Video encoding: H264, H265, VP9, etc. Video file: mp4, mov, ts, etc. Support decoding and playback of one 4K video Support simultaneous decoding and playback of up to 2 HD videos
Audio format	MPEG-1 Layer III, AAC, etc.
Image format	Bmp, jpg, png, webp, etc.
Text format	Txt, rtf, word, ppt, excel, etc. (*Used in conjunction with PlayerMaster)
Text display	Single-line text, static text, multi-line text, etc.
Split screen	4 video windows, multiple images/texts, scrolling subtitles, LOGO, date/time/week. Freely split screens, with different areas displaying different contents
Window Overlapping	Arbitrary overlapping with fully transparent, opaque and translucent effects
RTC	Real-time clock display and management

Physical parameters

Dimensions	215mm×32.5 mm×93.8mm
Operating voltage	DC 5V-12V/2A
Rated power consumption	15W
Weight	0.57kg (20.11oz)
Storage temperature	-40℃～95℃
Operating temperature	-30℃～65℃
Ambient humidity	0～95%, non-condensing

Hardware

No.	Name	Function
1	SIM	Micro-SIM card slot
2	4G MAIN ANT	Connect to 4G antenna (optional)
3	4G DIV ANT	Connect to 4G antenna (optional)
4	WiFi STATION ANT	Connect to WiFi antenna, support 2.4G/5G dual band Support WiFi hotspot
5	WiFi AP ANT	The same as WiFi STATION ANT
6	DC 5V-12V	5V-12V power input
7	UART	UART port, communicate with external devices
8	AUDIO OUT	3.5mm, HIFI stereo output
9	HDMI	HDMI2.0, output the HDMI signal
10	TYPE-C	Set display parameters and publish programs
11	USB	USB3.0 port, connect to USB camera, USB flash drive[1]
12	USB	USB2.0 port, connect to USB camera, USB flash drive[2]
13	USB	
14	LAN	Gigabit Ethernet port, access the local area network

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[1] Input: 12V 2A, USB 3.0 Output: 5V 1A; Input: 5V 2A, USB 3.0 Output: 5V 02A
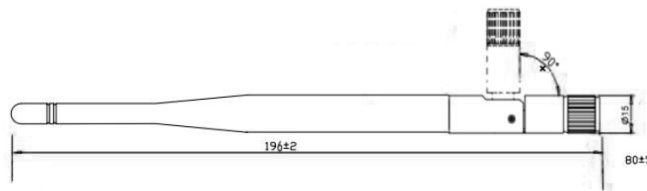
[2] Input: 12V 2A, USB 2.0 0utput: 5V 0.5A; Input: 5V 2A, USB 2.0 0utput: 5V 0.2A
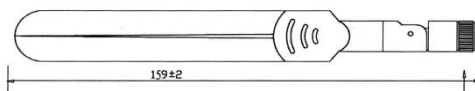
Dimensions

Unit: mm
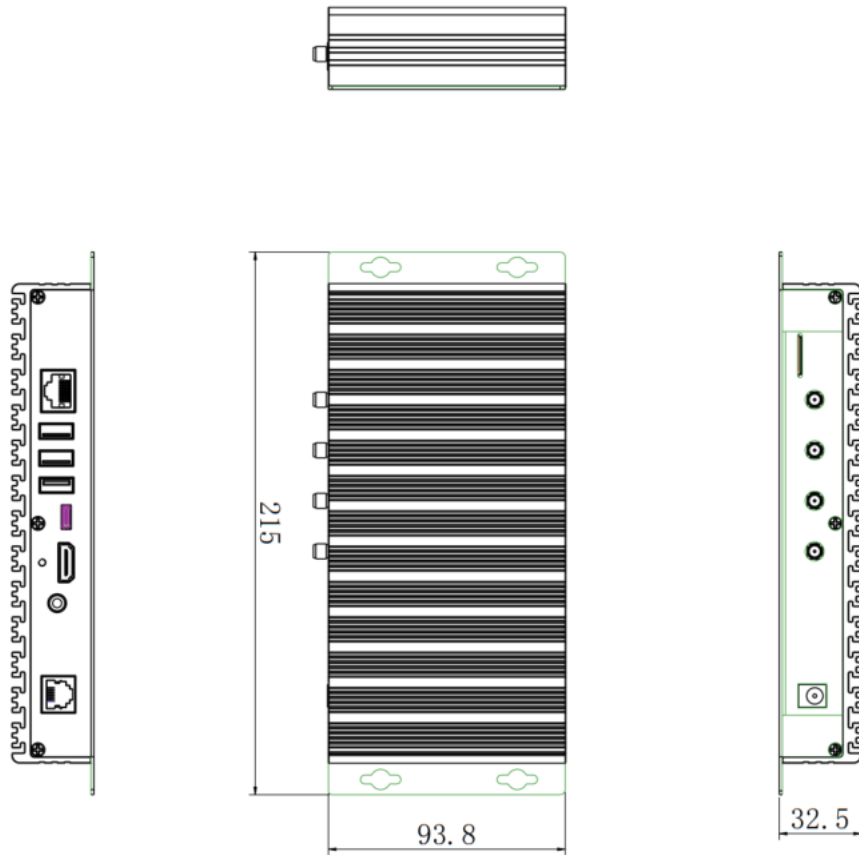
WiFi antenna

4G antenna (optional)

Statement

As factors such as product batches and production processes may change, in order to provide accurate product information, specification parameters, and product characteristics in order to match the actual product, the text description and picture effects in the document will be adjusted and revised appropriately. If it is necessary to carry out the above modification and adjustment without prior notice, please refer to the actual product.

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