

CP4H Video Playback Box



Instruction manual

Version Record

Version number	Change details	Release Time
V1.0	First release	2021.10.25
V1.1	Correction of performance parameters with loaded information	2022.02.25
V2.0	Replace brightness, temperature and humidity, GPS interface to 3.81 Phoenix terminal Correct performance parameter informatio	2022.03.28



CP4H Product Specification

Overview

Nanjing Zelei electronic CP4H is an asynchronous multimedia player integrating transmitter card and playback terminal; compared with the traditional synchronous playback solution, it can reduce the need for computer playback terminal and facilitate control at any time; and can access external signals, synchronous input and asynchronous playback fast switching; strong performance, powerful function, and greater carrying capacity.

It is promising in the field of advertising display such as mirror screen, light pole screen and full color doorway.



产品特点

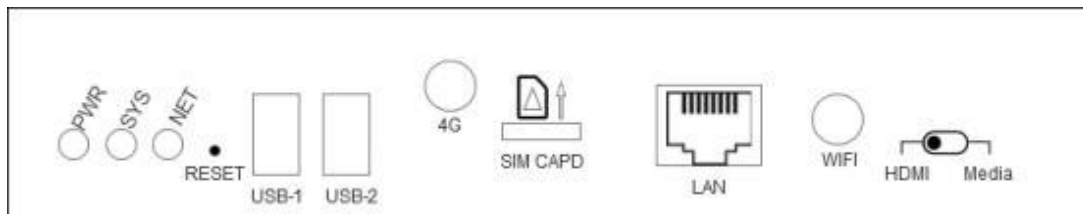
Product Features.

- Gigabit network port*4, single port 65W points, the whole machine with 235W points, the widest 3840, the highest 2000.
- WIFI, Ethernet port, U disk multiple communication methods
- Built-in 8GB (5G available for users), supports USB flash drive expansion
- 3.5mm audio output, simultaneous audio and video output
- HDMI input and output support, full-screen adaptive playback
- Support multiple windows for simultaneous playback of multiple clips on screen
- Support optional relay control, can remotely control external power switch
- On-board brightness sensor interface to automatically adjust the screen brightness according to the ambient brightness
- New Kommander PE program editing, drag-and-drop operation, do what you want
- Simple APP for full control of screen tuning, editing, and management, so you can play with the

big screen at your fingertips.

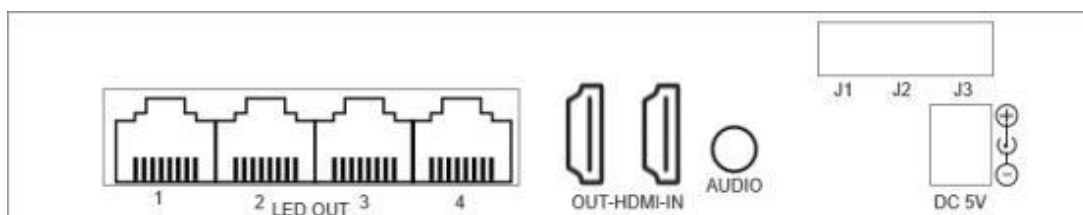
Panel Description

Front Panel



名称	功能说明
SYS	Operation status indicator sys is on when the system and app start normally. When the player app is abnormal, sys blinks, 1 time per second During system upgrade, sys blinks rapidly, 4 times per second
NET	Connection status indicator NET light is on when the client is connected, otherwise it is not on. When connecting to the cloud platform, the NET flashes once per second. When uploading programs, NET blinks rapidly, 4 times per second
PWR	Power indicator, long light indicates normal power supply
RESET	Restore factory settings, press and hold for 5 seconds to take effect
USB	USB2.0 *2, update programs via USB stick
4G (Optional)	4G antenna interface
SIM	4G card slot, support three major carriers 4G card
LAN	100 Gigabit input network port, access to LAN, can be directly connected to PC side
WIFI	enna Interface
HDMI--Media	Dual mode switch button HDMI: Synchronous mode Media: Asynchronous mode

Rear Panel



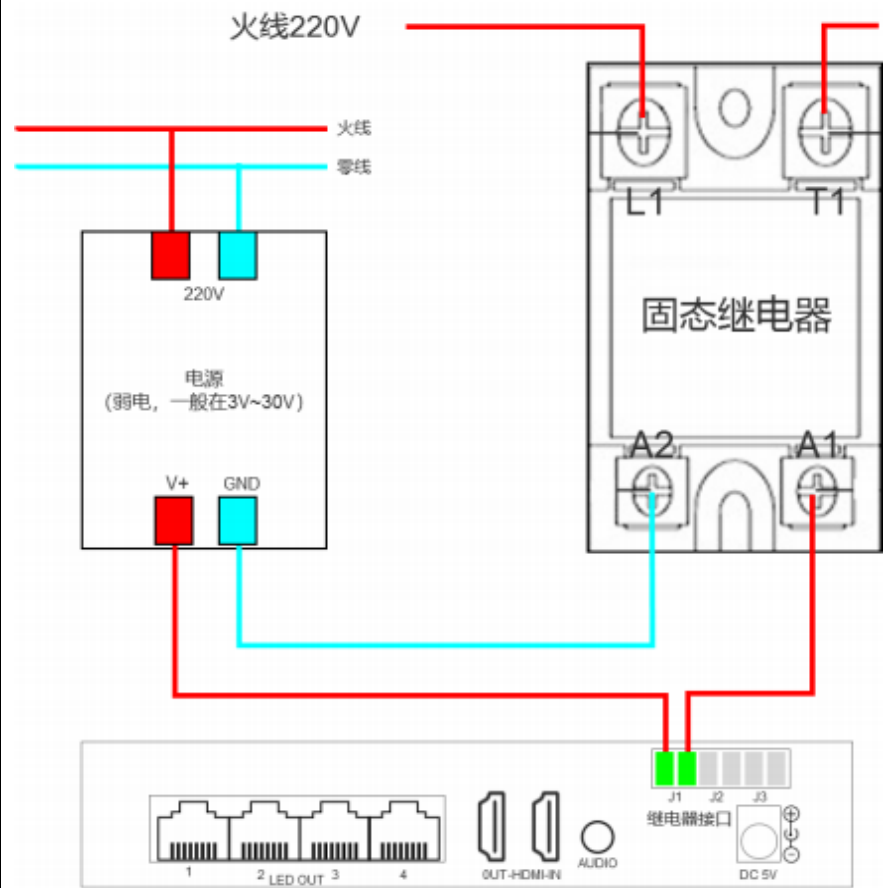
name	Function information
LED OUT1-4	Four gigabit output network ports, connect to the full range of Kevlar receiver cards
AUDIO	3.5mm audio output port
HDMI	IN:HDMI 1.3 input interface, external signal OUT:HDMI 1.3 output interface, loop-out signal

J1-J2-J3	Relay interface to control external power switch DC: max. voltage 30V, max. current 3A
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AC: Maximum voltage 250V, maximum current 3A

Note: DC power is recommended, it is not recommended that the relay directly control AC power, if you need to control AC power, it is recommended to use

The following diagram wiring method



5V DC	Provides 5V/3A power supply DC5.5x2.1x10mm
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Side panels



Name	Function Description
LIGHT	Brightness sensor interface (module to be purchased separately)
TEMP	Temperature and humidity sensor interface (module to be purchased separately)
RS232	RS232 interface, external GPS module can be connected (module needs to be purchased separately)

Parameter Specification

External Interface Type	
Gigabit output network port*4	Output signal to receiver card
Audio output port*1	1/8" (3.5mm)TRS Plug Output
USB2.0*2	Expandable storage (USB stick or SD card, up to 128G)
100 Gigabit input network port*1	Access to LAN, cluster control
WIFI	WiFi AP+STA Dual WiFi mode, can be used as a hotspot for cell phones and computers to connect
HDMI	HDMI Input and Output
LIGHT (Optional)	External brightness sensor to control the screen brightness according to the ambient brightness (module needs to be purchased separately)
TEMP (Optional)	External temperature and humidity sensor to obtain the ambient temperature and humidity (module needs to be purchased separately)
Relays (Optional)	Can be used to control external power switches (module sold separately)
4G (Optional)	Access to WAN (module to be purchased separately)
GPS (Optional)	Precise positioning, precise timing, multi-screen synchronization (module needs to be purchased separately)
DC Power input	DC 5V/3A Electricity supply

Performance Parameters	
Hardware Performance	1.6GH, Quad-core CPU,3D GPU 1GB@600MHz DDR3 High-speed memory Support 1080p@60fps Hard Decode Playback Support 1080p@30fps Hardware Coding
Storage Space	8GB internal storage (5 G available to users)
Load size	650,000 dots for single port, 2.35 million dots for the whole machine, up to 3840 wide, up to 2000
Wifi Wifi Connection Distance	20m (unobstructed)

Support for multimedia formats	
Video formats	AVI,WMV,MPG, RM/RMVB, VOB,MP4,FLV common video formats such as. Can support multi-video simultaneous playback
Audio Format	MPEG-1 Layer III, AACetc.
Image format	Support bmp、jpg、png etc.
Text form	Single-line text, static text, multi-line scrolling text, and office etc.
Clock	Real-time clock, multi-area clock display and management
OSD	Support 32bit true color OSD, can be displayed in any position, support video/graphic mix, can superimpose graphic on video.

Whole machine specification	
Dimension	190x139x38mm (L×W×H)

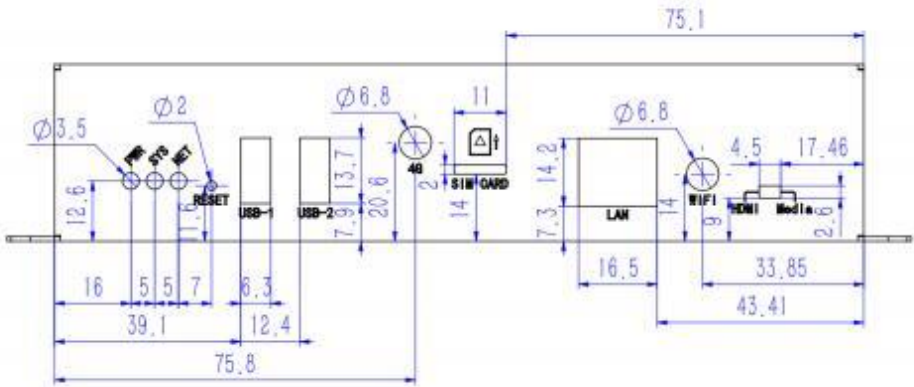
CP4H Product Specification

Supported Receiver Cards	ZELEI Full range of receiver cards
Number of received cards on board (single network port)	200 (Single Network Port)
Input adapter power supply	DC 5V/3A Electricity supply
Power Rating	12W
Operating temperature	-20°C -70°C
Operating humidity (%)	5%-95%



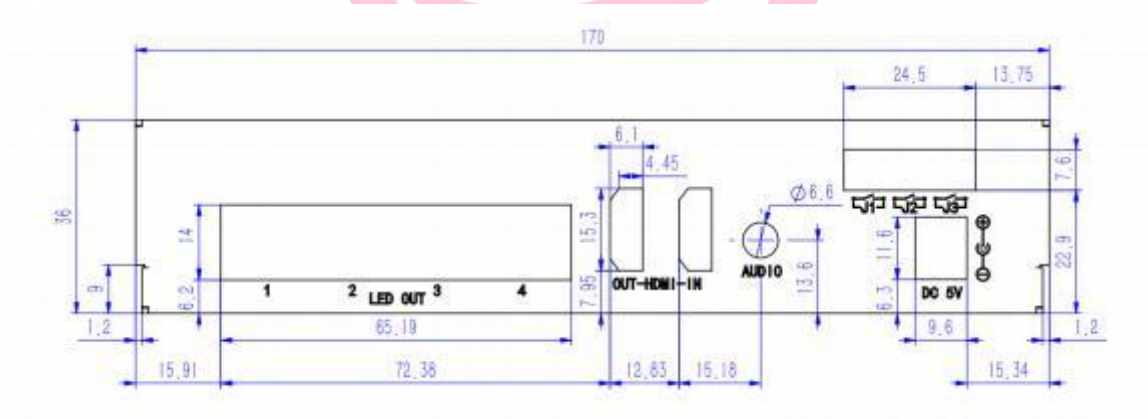
Annex: Dimensional drawing of the equipment

FrontPanel

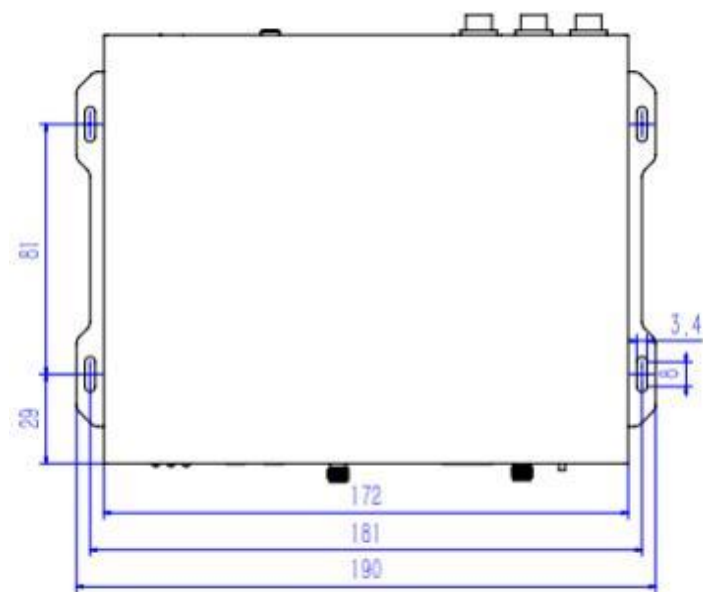


R

earPanel



底面



FCC Warning:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.