（2）Language and Keyboard

The system currently supports Chinese, English, Traditional Chinese, Japanese, etc. The keyboard supports the system's default keyboard and a simple input method.
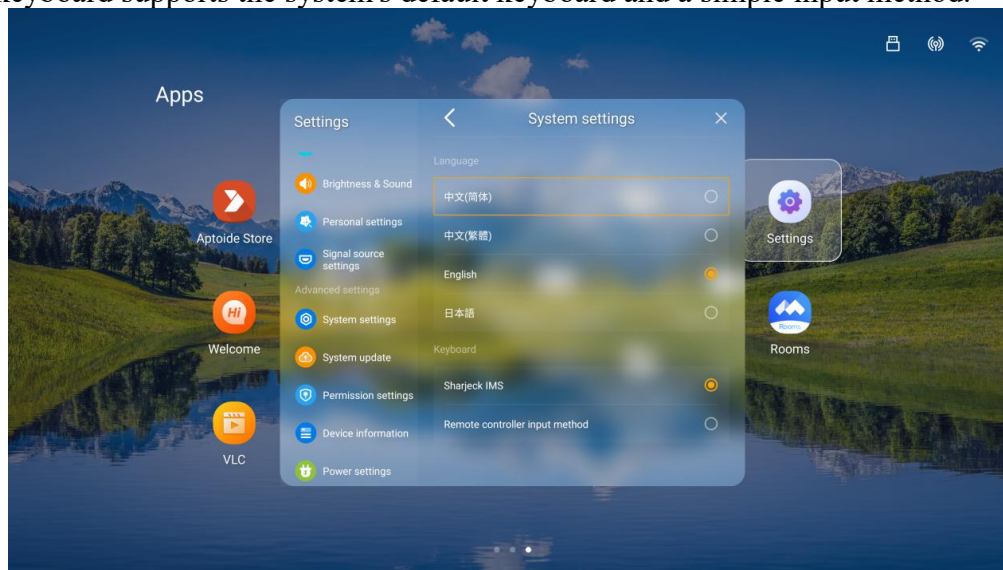

Figure 2-57. Language and Keyboard

（3）Time and Date

It supports displaying time in both 12-hour and 24-hour formats. It also supports automatically obtaining the network time and manually setting the system time.

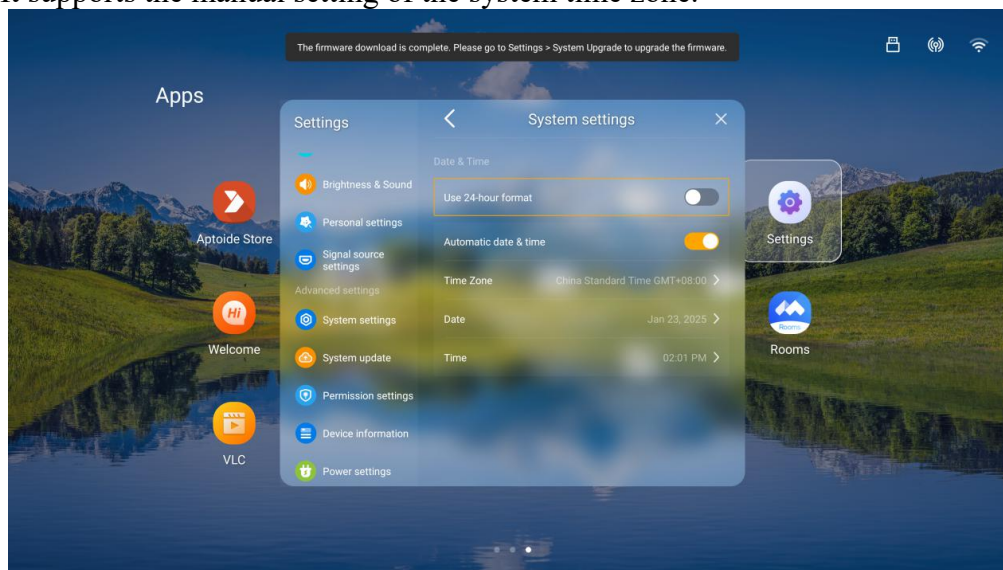It supports the manual setting of the system time zone.

Figure 2-58. Time and Date

（4）Application Management

Conduct the following management operations on the installed APPs.

1) Force Stop: Forcefully set the APP to the stopped state.
2) Open Application: Run the selected APP.
3) Uninstall: Uninstall the selected APP.
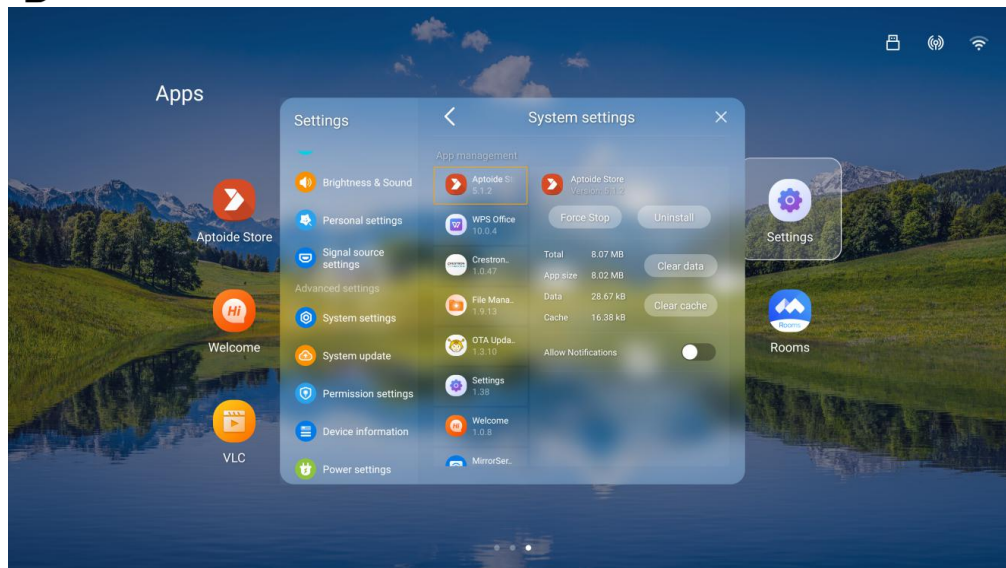4) Clear Data: Clear the data cache of the selected APP.

Figure 2-59. Application Management

（5）Cache Cleaning

　　Cache cleaning mainly aims to clear the cache files of APP applications, such as the pictures, music, documents, etc. downloaded by the applications.
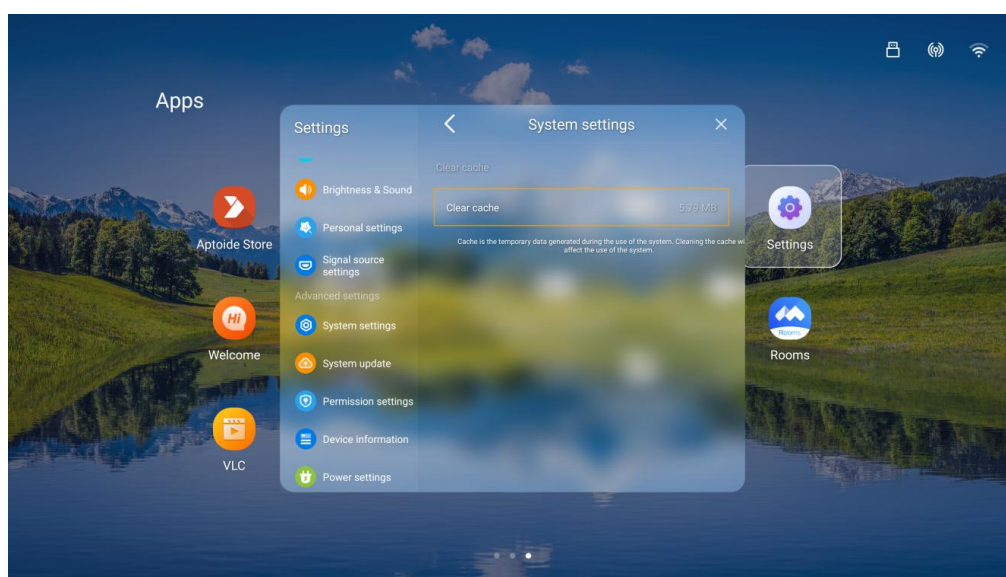

Figure 2-60. Cache Cleaning

（6）Accessibility Features

The accessibility features include touch assistance (sidebar), floating ball, and log service (launch the log capturing program to facilitate on-site problem analysis).
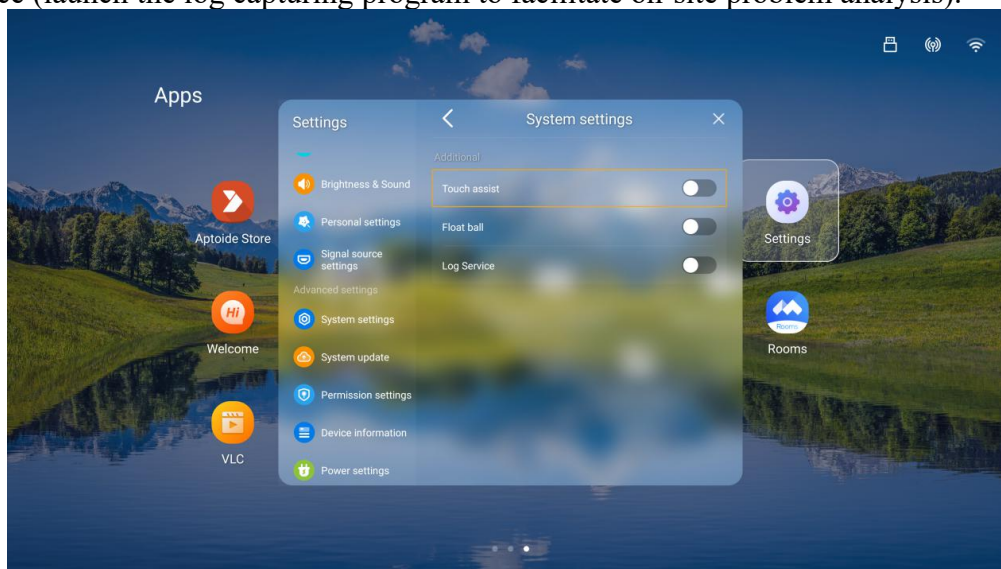

Figure 2-61. Accessibility Features

（7）Restore Factory Settings

After the system is restored to its factory settings, all application data will be deleted. Users should operate with caution
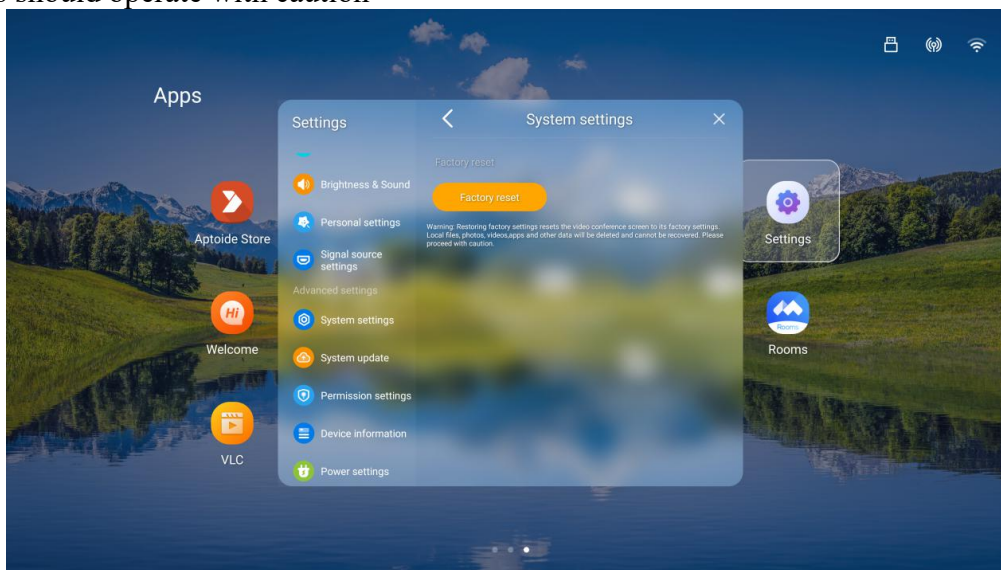

Figure 2-62. Restore Factory Settings

System Upgrade

Automatic Update (OTA Upgrade)

When the automatic update setting is turned on, once the latest version is detected, the system will automatically download the new firmware to the storage space and prompt the user whether to upgrade. After the user confirms, the upgrade will be initiated.

Local Upgrade Process

1. Prepare a USB flash drive formatted as FAT32.
2. Obtain the system firmware upgrade package, for example:
Absenicon-L311D2-V1.001.66.X.4K-20250114.161732.zip
3. Create an "upgrade" directory in the root directory of the USB flash drive, and copy

![Absen 艾比森 logo]

the system firmware package to the "upgrade" directory. Multiple versions can be placed in it simultaneously.

4. Go to Settings -> System Upgrade -> Local Upgrade, and click "Upgrade".

5. Remarks: If there are multiple software versions under the "upgrade" directory, a dialog box will pop up for you to select which version to upgrade. If there is only one upgrade package, the system will automatically copy and upgrade without popping up the selection dialog box.
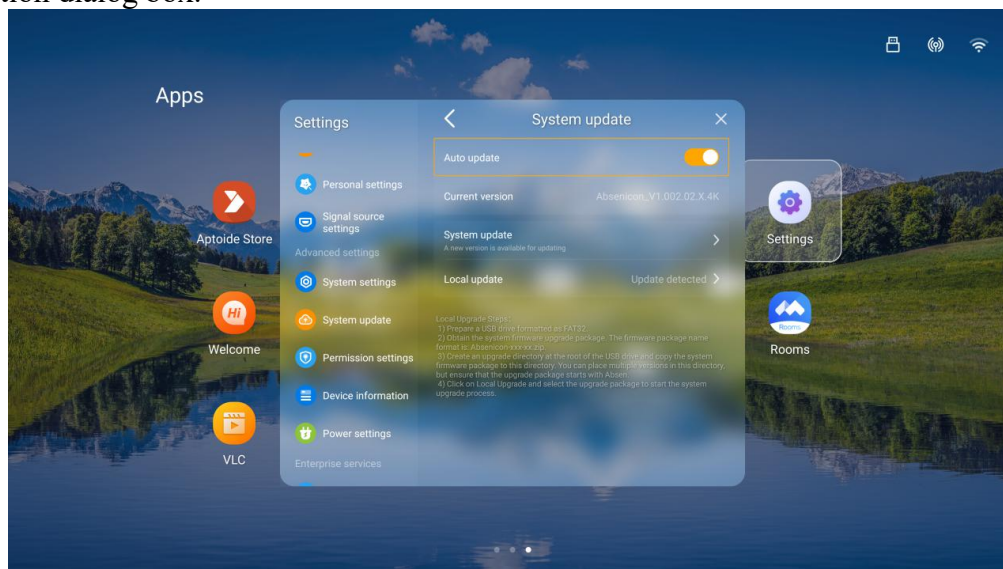

Figure 2-63. System Upgrade UI

Permission Settings

（1）USB Follow HDMI

After turning on the "USB Follow HDMI" function, when switching to the HDMI channel, the external USB interface will be connected to the USB-B output interface, and the USB flash drive on the device can be recognized by the user's computer.

（2）Disable Touch

It is turned off by default. After turning on the disable touch switch, if the system supports a touch frame, it will not respond to touch operations either.

（3）Screen Lock

It is turned off by default. After turning on the screen lock, a screen lock password needs to be entered when the system boots up to enter the desktop UI.
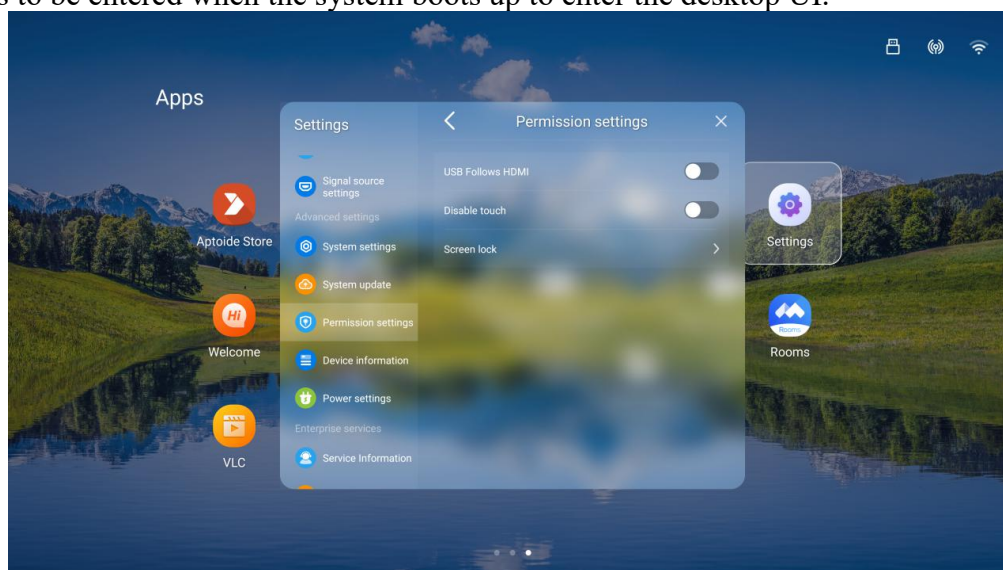
Figure 2-64. Permission Settings

Device Information

You can view the device's basic information, device name, terminal type, device serial number, MAC address, Android version, sending card version, receiving card version, memory information, storage space, etc.
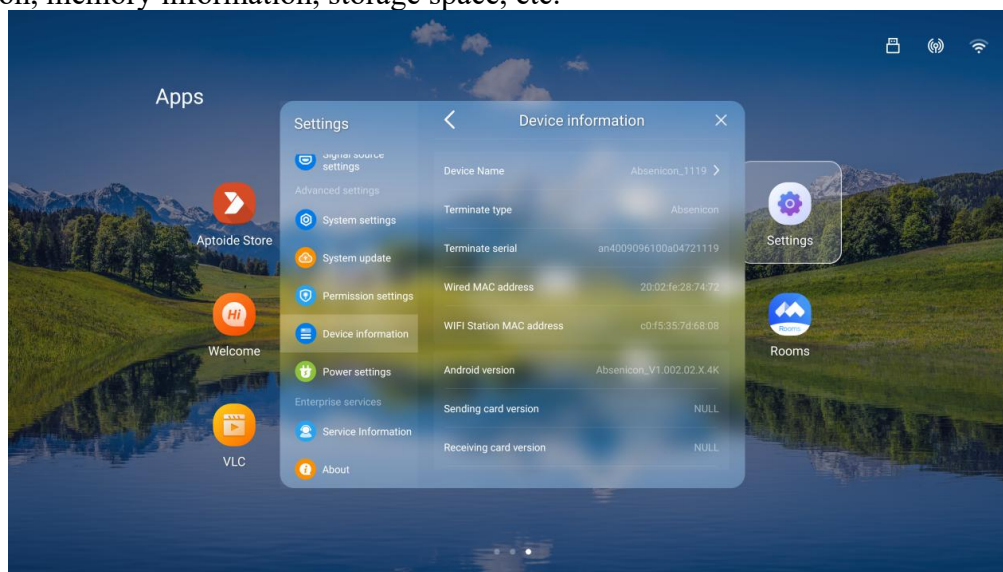

Figure 2-65. Device Information UI

Service Information

You can get in touch with our after-sales colleagues through the QR code and the official hotline.
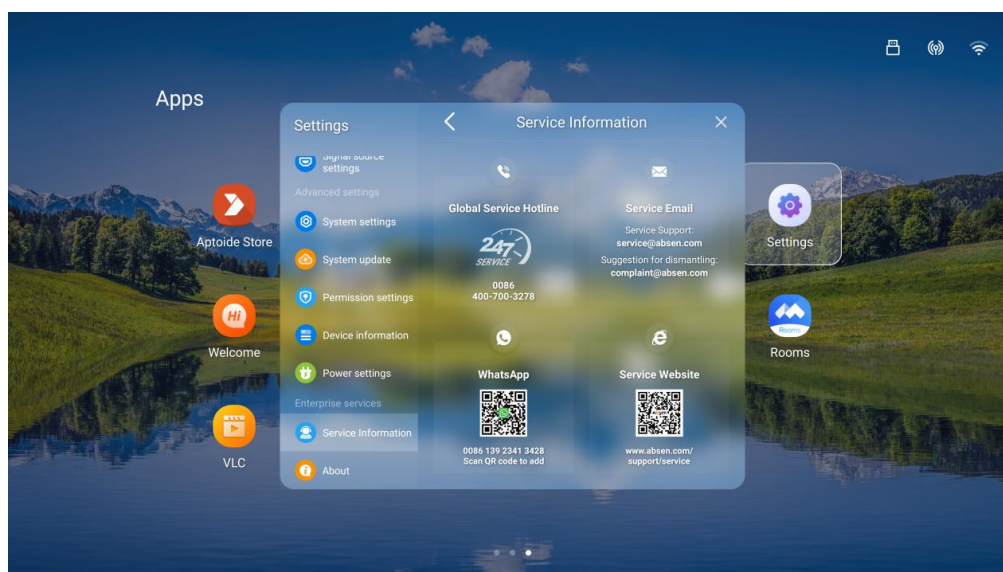

Figure 2-66. Service Information

Device Name Modification

The About page mainly displays the brief introduction information of the device, and the device name can be modified.
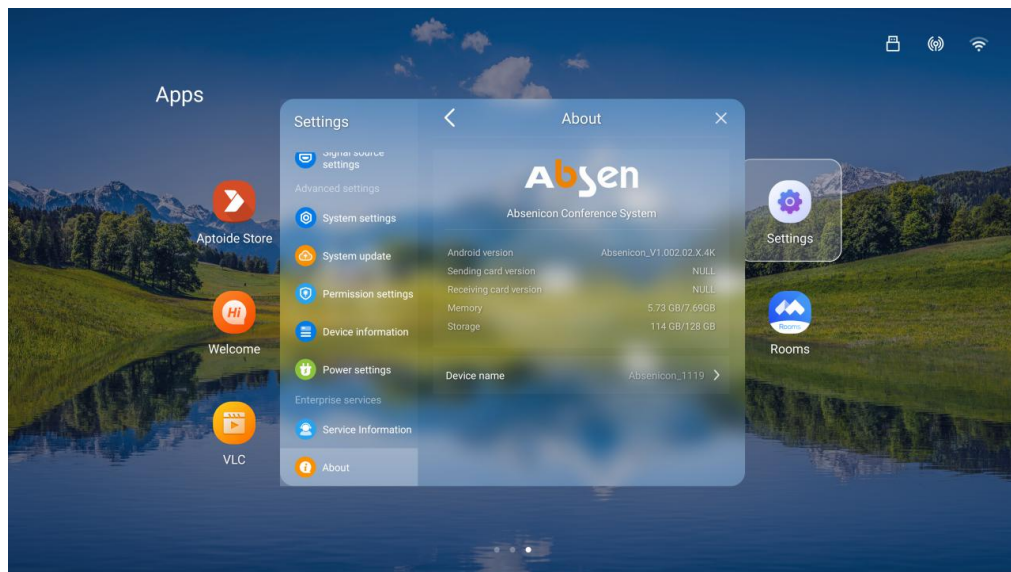

Figure 2-67. Regarding the UI - Device Name

3.X 4K Supported Video Formats

Type	Encoding Format	Supported Video Containers (File Suffix)	Maximum Decoding Performance	Supported Audio Formats (Based on the specifications of the released audio decoding library)	Remark
Specifications for Video and Audio Decoding	HEVC/H.265 Main 10	TS, MP4, MKV	3840x2160 @ 60fps 97.7Mbps 7680x4320p @24fps	AAC, AC3	Test MKV file :3840x2160@30fps 100Mbps Test mp4 8K file:7680x4320@24fps
	AV1	.mp4/.webm	3840x2160p @ 60fps 26.4Mbps 7680x4320p @24fps	AAC/Opus/Vorbis	Test mp4 file format: 3840x2160 59.94fps Test webm file format: 3840x2160 60fps Test mp4 8k file format:7680x2160 24fps
	VP9 Profile-2	.webm/.vp9/.mkv	3840x2160p @ 60fps VP9 Profile-2 60Mbps 7680x4320p @24fps	Vorbis	Test vp9 file format: 1920x1080 23.976fps Test webm file format: 3840x2160 60fps Test webm 8k file format:7680x4320 24fps
	AVS2.0	TS	3840x2160p @ 60fps		Test file format: 3840x2160
	AVC/H.264	AVI, MOV, MP4, MKV, TS, M2TS, MTS, M4V, FLV, F4V, PMP	3840x2160 @ 30fps 100Mbps	AAC, AAC-LC, MP3, AC3, PCM, Vorbis	PMP maximum resolution: 480x 272p AVI, M2TS, MTS, M4V, FLV, F4V, PMP
	VP8	.webm/.mkv	1920x1080p @ 30fps	Vorbis	Software decoding Test file format: 1280x720p @ 60fps Test file format: 1920x1080p @ 30fps
	AVS-P2 Jizhun	TS	720x576p @ 30fps		Test file format: 720x576
	AVS+/AVS-P16	TS	1920x1080p @ 30fps		
	Windows Media Video 9/WMV3	ASF, MKV	1280x720p @ 30fps	AC3	Test ASF file format: 320x240 30fps Test MKV file format: 1280x720
	VC-1	M2TS,TS	1920x1080p @23.976fps	AC3,PCM	Test M2TS file format:1920x1080 23.976fps Test TS file format:1902x1080 23.976fps
	H.263	3GP, MOV, MP4	352x288p @ 30fps	MP3, AC-3, AAC	Test 3GP file format: 352x288 10fps Test MOV file format: 320x240 15fps Test MP4 file format:176x144 15fps
	XviD	AVI, OGM	1920x1080p @ 30fps	AC3, MP3	Test OGM file format: 640x480 23.976fps
	DivX 5	AVI, OGM	1920x1080p @ 30fps	MP3, PCM, ADPCM, AC3	Need license from DivX. Test AVI file format: 1280x720 24fps OGM maximum resolution: 640x480
	DivX 4	AVI	1920x1080P @23.976fps	MP3, MS-ADPCM	Need license from DivX. Test file format: 1920x1088 23.976fps
	DivX 3	AVI	720x576p @ 30fps	MP3	Need license from DivX. Test file format: 720x576 25fps
	MJPEG	AVI	1920x1080p @ 50fps	MP3, U-LAW	
	MPEG-4 ASP	AVI, MP4, MOV, 3GP	1920x1080p @ 60fps	MP3, AC-3, AAC, PCM, ADPCM	Test 3GP file format: 640x480 18fps
	MPEG-2	MPEG, MPG, M2V,TS, TP, VOB	1920x1080p @ 60fps	MP3, PCM	DVD ISO maximum resolution: 720x576 TP: no 60fps files Test M2V file format: 480x576 25fps
	MPEG-1	DAT, MPEG, MPG, TS	1920x1080p @ 60fps	AC3	DAT-VCD maximum resolution: 352X288 Test TS file format: 1920x1080 23.976fps

4.Trouble shooting

4.1Preparations Before Maintenance

Please conduct inspections according to the corresponding troubleshooting operations given in the following table to see if you can identify the cause of the problem. If you have followed the instructions strictly but still cannot solve the problem, you can seek help from professional maintenance personnel.

Serial Number	Problem	Troubleshooting Measures
1	No sound or image.	◆Check if the power switch is turned on. ◆Check if both power cords are connected to the wall socket and if the wall socket is energized. ◆Check if the power - on/standby button is pressed.
2	Sound and image are interfered.	◆Check if the video cable (such as HDMI, VGA, etc.) and audio cable connections are secure, without looseness or damage. ◆Check if the power supply connection of the display is stable and if the connected socket is supplying power properly. ◆Check for interference: See if the display is close to other devices that may cause interference, such as microwave ovens, speakers, etc.
3	The screen has no power or the power indicator light goes out.	◆Check if the power switch is turned on. ◆Check if both ends of the power cord are firmly connected, with one end plugged into the wall socket and the socket supplying power normally. ◆Check if the power cord is damaged. ◆Check the new startup system. ◆Check if the hibernation mode is enabled.
4	No sound from the external signal source when the device is in use.	◆Check if the HDMI cable is damaged and insert the HDMI cable properly.
5	The device shuts down unexpectedly.	◆Check if the power cord of the device is loose, detached, or damaged. Ensure the plug is tightly connected to the socket. Also, check if the socket is supplying power normally. ◆Check if the power supply in the area where the device is located is stable, and if there are any circuit breaker trips, voltage fluctuations, etc. ◆ Check if the connecting cables of signal sources (such as computers, players, etc.) are loose or damaged. Try re - plugging them. Confirm that the signal source settings of the display device are correct. ◆Check if the device has enabled functions like scheduled shutdown or automatic sleep, as these may cause the problem. If the device has a system update, a new update might lead to anomalies. You can try restoring to the previous system state.

		◆Check if there are strong electromagnetic interference sources nearby, such as microwave ovens, induction cookers, etc. Move the device away from such interference sources.
6	The remote control does not work.	◆Check if the batteries in the remote control are installed correctly. ◆Replace the batteries.

4.2 LED Protection Precautions

Micro LED all - in - one machines are high - precision, high - density electronic products, belonging to precision - protection products. Special protection such as anti - static, dust - proof, moisture - proof, and protection against physical impact is required during daily use.

1）Static Electricity: LED is electroluminescent devices that are highly sensitive to current. The human body carries static electricity, which may break down the internal PN junction. Do not touch the LED display without wearing gloves.

2）Dust: The surface of the LED display screen is designed according to the indoor IP4X standard, but the inside of the cabinet contains high - density electronic circuits. Therefore, dust - proof measures should be taken for the LED display, and regular cleaning is required to ensure the normal operation of the display.

3）Water Vapor and Lampblack: A humid environment and water vapor can easily damage the electronic components inside the display. This may lead to product malfunctions, and in the worst - case scenario, it may even cause a fire and burn out the LED display. Therefore, the LED display needs to be protected against moisture and water vapor, and direct entry of lampblack and water vapor into the interior of the LED display should be avoided.

4）Physical Impact: The LED display is a very precise device. It needs to be protected from any form of physical impact, as this may damage the LED lamp beads or the internal circuits of the display.

4.3 Precautions for Daily Use of LED Display Screens

Equipment Placement and Environmental Requirements

1）Environmental Conditions: The LED all - in - one machine should be placed in a dry, clean, and well - ventilated environment, and avoid direct sunlight. The ambient temperature should be strictly maintained between 18°C and 25°C, which helps to maintain stable operation of the equipment and extend its service life.

2）Preventing Liquid from Entering the Display Screen: It is strictly prohibited to place any containers with liquid on the display screen to prevent liquid from accidentally spilling and damaging the product

3）Air - Conditioner Usage Conditions: The air outlets of on - site air - conditioners and other equipment should not blow directly towards the product. The temperature should be set at 25±1°C to create a suitable environment for the equipment's operation.

4）Ventilation, Temperature and Humidity: The LED all - in - one machine display screen should be kept well - ventilated, and the temperature and humidity difference between the inside and outside should not exceed 5 degrees.

5）Usage Frequency: Power on the device at least twice a week, each time for no less than 2 hours. Usually, the product can also be kept in standby mode to maintain its performance.

Equipment Operation Specifications

1）Cable Plugging and Unplugging: Before unplugging a cable, be sure to turn off the power of the corresponding device to prevent damage to the interface components. Also, do not frequently plug and unplug the cables at the signal source to avoid cable damage.
2）Avoiding Electromagnetic Interference: Keep the equipment away from electromagnetic field interference, such as staying away from non - magnetic speakers, amplifiers, etc.

Data Security

Regularly back up important data and files to prevent data loss.

Power System Maintenance

1）It is recommended to check the power system daily to detect any issues in a timely manner.
2）During thunderstorm seasons or when the equipment is not in use for an extended period, turn off the system power.
3）Maintenance of the power system should only be carried out by electricians with relevant certificates.

Transportation and Storage

1）The LED all - in - one machine display screen should be transported after being properly packaged. During transportation, it is strictly prohibited to invert the packaging; avoid exposure to rain and snow; prevent prolonged direct sunlight; and keep it away from corrosive gases and mechanical damage.
2）The storage temperature for display modules is between - 40℃ and 60℃, and the relative humidity is 10% - 80% (non - condensing). The storage area should be free of acid, alkali, and corrosive gases, have no strong mechanical vibration, and be kept away from magnetic fields. There should be no fire or explosion hazards

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