Hybrid Conference System with BYOD

eShare W80

User Manual

AV Access

FCC Warnings

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.

NOTE: 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.

Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
When using the product, maintain a distance of 20cm from the body to ensure compliance with RF exposure requirements.

Table of Contents

Introduction

Overview

The eShare W80 is a high-performance BYOD presentation switcher with wireless presentation capability. It equips two built-in Wi-Fi modules and offers multiple access approaches, including Airplay Mirroring, Miracast, Dongle and physical HDMI ports, with which you can project the screen contents of your computers (Mac/Windows) or mobile devices (iPhone/iPad/ Android phone) to a display.

Multiple features like automatic signal switching, CEC, HID and USB device signal return to Dongle wirelessly, Guide Screen, OSD are also included. It is a collaboration terminal that perfect for conferencing system.

Features

- Provides two HDMI inputs and two HDMI outputs.
- Supports Dual View Display if only one HDMI output port is connected to an HDMI display.
- Built-in Wi-Fi modules for wireless connectivity with devices over Airplay Mirroring, Miracast and Dongle.
- Supports HID and USB device signal return to Dongle wirelessly.
- Supports HDMI input and output resolutions up to 4K@30Hz 4:4:4.
- Detailed and friendly OSD information.
- Offers friendly Web UI for easy configuration.

Package Contents

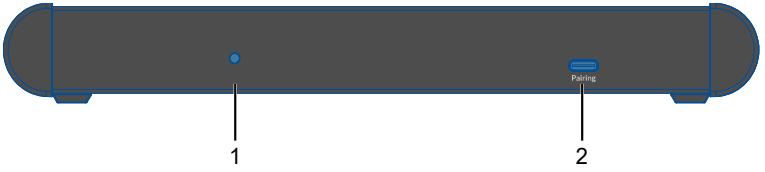
Before you start the installation of the product, please check the package contents:

- eShare W80 x 1
- DC 12V Power Adapter x 1
- HDMI Cables (1.8m) x 2

- USB 3.0 Type-A to Type-B Cable (1.8m) x 1
- User Manual x 1

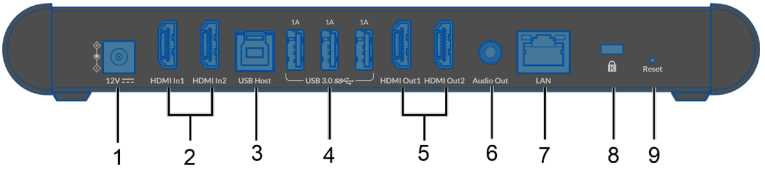
Panel

Front Panel



No.	Name	Description
1	Status LED	The device's working status LED indicator. • **Blinking quickly**: The device is booting. / The device is being upgraded. • **Lighting constantly**: The device has started. / The device is working properly. • **Blinking slowly**: The device is in standby state. • **Off**: The device is powered off.
2	Pairing	USB-C port. Connect to the dongle for pairing or upgrading the dongle's firmware.

Rear Panel

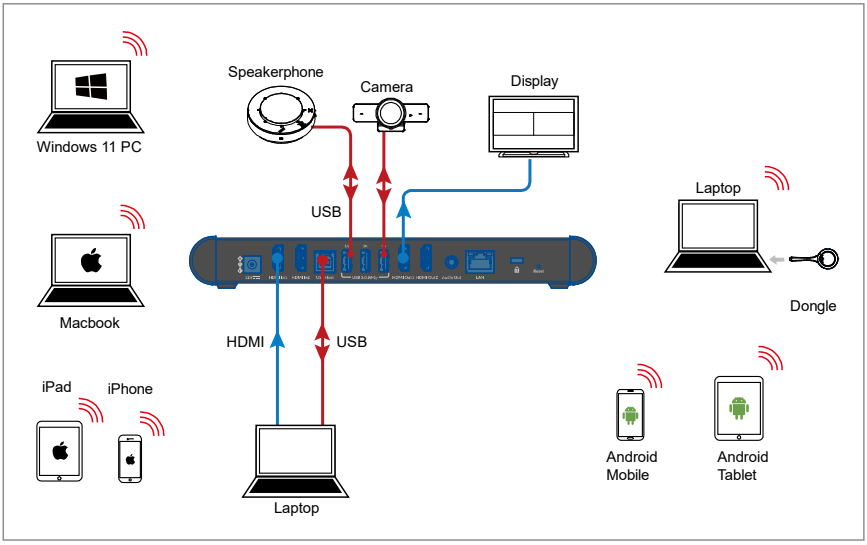


No.	Name	Description
1	12V	Connect to the DC 12V power adapter provided.
2	HDMI IN 1-2	Connect to HDMI sources.
3	USB Host	Connect to a USB host device.
4	USB 3.0	3 x USB-A ports for the following two functions: (1) Connect to USB peripheral devices (e.g. keyboard, mouse, touch screen, camera, speakerphone, etc.) for USB expansion. **Note:** • Keyboard and mouse are not available for signal return to Dongle wirelessly.

No.	Name	Description
		• Each 1A port can output DC 5V 1A power to the USB peripheral device. (2) Connect to a U-disk for firmware upgrade. More information, see Firmware Upgrade section.
5	HDMI Out 1-2	Connect to HDMI displays.
6	Audio Out	Connect to an audio receiver for unbalanced analog audio output. Important: This port automatically outputs the audio from the latest connected source.
7	LAN	Connect to a network device (e.g. network switch, wireless router, computer, etc.) for LAN control (Web UI) and airplay mirroring signal input.
8		Kensington security slot.
9	Reset	Reset button for the following two functions: • When the device is powered on, short press the button, the device's OSD information appears on the display screen for 10 seconds. • When the device is powered on, press and hold the button for at least 5 seconds, the device reboots and restores to its factory defaults.

Application

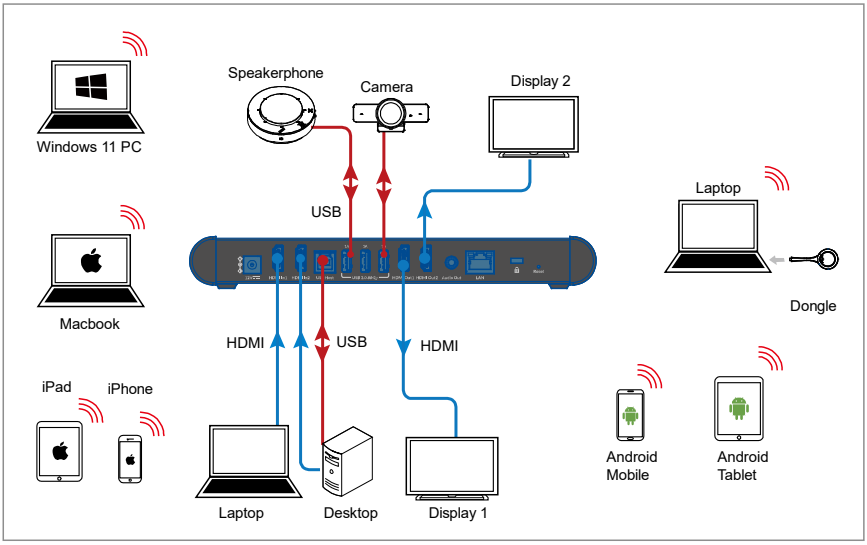
Scenario 1



Features:

- Plug a dongle into the laptop after the dongle is paired with the device successfully, the laptop can connect to the device wirelessly via the dongle as well as access the camera and speakerphone at the device.
- User can wirelessly project the screen content of the laptop and mobile devices to the device over Airplay and Miracast.
- If only one HDMI output is connected to an HDMI display device, Dual View Display function will be activated in need.

Scenario 2



- Plug a dongle into a laptop after the dongle is paired with the device successfully, the laptop can connect to the device wirelessly via the dongle as well as access the camera and speakerphone at the device.
- User can wirelessly project the screen content of the laptop and mobile devices to the device over Airplay and Miracast.

Key Functions

Screen Mirroring

If you're working on a PC and want its apps and content to be shown on another screen, you may want to consider mirroring your PC's screen to that screen.

With screen mirroring support, the device allows you to share your mobile devices' content wirelessly on any HDMI displays over Airplay Mirroring, Miracast and/or Dongle. In this manual, mobile devices available for screen mirroring are referred to as "screen mirroring source", such as Apple devices (iPhone/iPad/Mac), Android phones, Windows PCs, Dongle, etc.

Screen Mirroring over Airplay (for Apple Devices)

a. Connect your iPhone/iPad/Mac to the device's Wi-Fi.
   - ⇨ **Wi-Fi SSID**: as same as the device name and can be obtained from OSD at the upper right of the display screen. By default, it is set as **eShare W80**.
   - ⇨ **Password**: can be set through Web UI and can be obtained from OSD at the upper right corner of the display screen. By default, it is set as **12345678**.

b. Open Control Center on your Apple device, tap 

to select appropriate mirroring device (the device name can be obtained from the upper right corner of the display screen) from the pop-up menu.

c. To disconnect Apple device from the device: click **Stop Mirroring**, the display stops displaying your device's screen.

Screen Mirroring over Miracast (for Android Phones & Windows PCs)

For Android smartphone (take Samsung Galaxy series for example):

1. Enable the Wi-Fi or WLAN feature of your smartphone.
2. On your phone, swipe down from the top and tap 

or 

to select appropriate mirroring device (the device name can be obtained from the upper right corner of the display screen) from the pop-up CONNECT menu.
3. To disconnect the smartphone from the device: click “DISCONNECT” on your smartphone’s screen.

Note:

- The icon, instruction and entrance of the Miracast function may vary on different Android phones, please refer to your phone’s manual to get accurate instruction.
- If you fail to use Miracast function, please disable your phone’s Wi-Fi and enable it later, or restart the mobile if necessary.

For Windows PC (Window 10 or higher):

1. Enable the WLAN feature of your PC.
2. On your PC, press the combination keys “  + K” to select appropriate mirroring device (the device name can be obtained from the upper right corner of the display screen) from the pop-up menu.
3. To disconnect PC from the device: click **Disconnect**, the display stops displaying PC’s screen.

Important:

- The icon and interface of the Miracast function may vary on different computers.
- Some Windows 10/11 computers may fail to perform screen mirroring

with Miracast due to compatibility issues.

Tip: Both the Airplay mirroring and Miracast support access code. If you see the PIN entry window appears on your devices, input the access code that can be obtained through OSD (see OSD section for more information).

Screen Mirroring over Dongle

Users are able to share laptop's content on a display wirelessly using the eShare D20 Dongle, no additional installation of application is required.

Note:

(1) eShare D20 Dongle is sold separately.

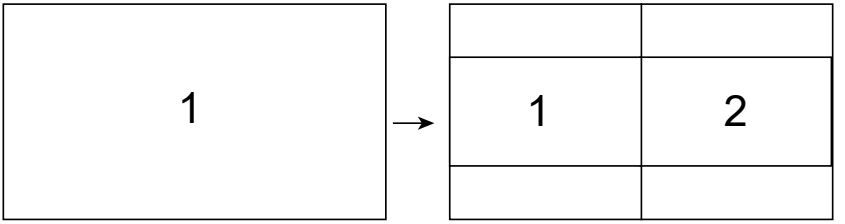
(2) Before you plug eShare D20 Dongle into your laptop, ensure your laptop's USB-C port supports video output.

Steps to share laptop's screen on the display using eShare D20 Dongle:

1. Pair the Dongle with the device.
   Connect the Dongle to the Pairing port on the device's front panel. Once pairing between Dongle and the device is completed, "Pairing successful" appears on the display screen.
2. Connect the Dongle to a laptop.
   Insert the Dongle into the laptop's USB-C port, it starts running and connecting to the device's Wi-Fi. After it is connected to the device's Wi-Fi successfully, the Dongle LED turns from blinking to lighting constantly.
3. Now press the Dongle's projecting button, you can project your laptop's screen on the display immediately.

Dual View Display

When only one HDMI output port (either HDMI OUT1 or HDMI OUT2) is attached to an HDMI display, the device supports Dual View Display, that is, up to two video sources can be displayed on one single screen.



If two video sources are being played in Dual View Display mode on the display screen of HDMI OUT1/HDMI OUT2, connect an additional video source to the device, this latest input source will replace the source that displays longer on the screen.

Automatic Signal Switching

The device supports automatic signal switching function, allowing you to output desired sources with ease. This function follows Last-In-First-Out rule:

1. When only one video source is connected to the device, HDMI OUT 1 and/or HDMI OUT 2 automatically output this video source to the display screens.
2. When a video source is to be input in the case that two video sources are being played in dual view on one display screen, this latest input source will replace either of the sources and display on the screen. More information, see the switching mechanism in Dual View Display section.
3. When no active video source is being input to the device, the output display shows the Guide Screen image finally.

Display of HDMI OUT1 and HDMI OUT2 Outputs

When both HDMI OUT1 and HDMI OUT2 are connected to two display screens respectively, dual view display function is disabled and the two HDMI outputs function as follows:

(1) Each of the HDMI outputs display in single view on its corresponding display screen.

(2) If the device detects no active video source input, both HDMI outputs display Guide Screen.

(3) If the device detects only one active video source input, both HDMI outputs display this video source.

(4) If the device detects the quantity of the video source input increases from one to two, the later input source is assigned to HDMI OUT2, and the earlier one is still at HDMI OUT1.

(5) If the device detects an additional video source is to be input in the case that two input video sources have existed, then the latest input source replaces the source that plays longer and outputs to the corresponding HDMI OUT port.

Guide Screen

The device outputs Guide Screen image when no active video source is detected. The Guide Screen can be personalized to convey customized connection instructions through the device's Web UI page.

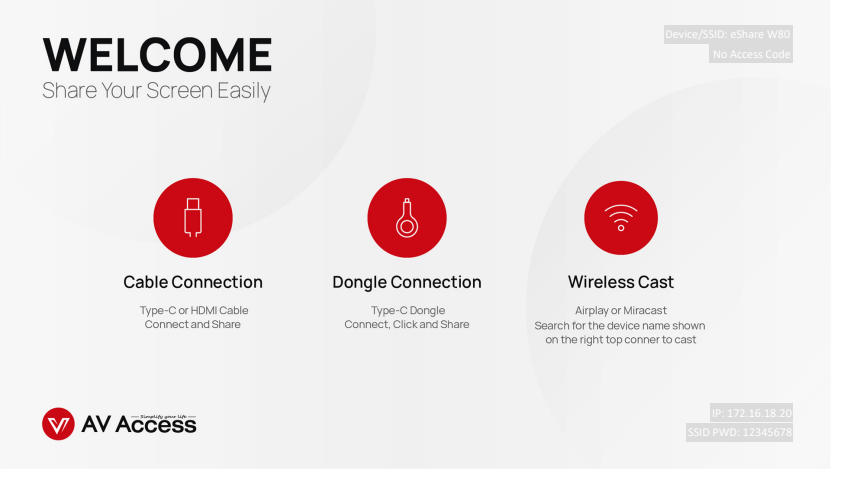


Figure 1-- Guide Screen Image

The Guide Screen image appears automatically on the display screen in a period of time after all video sources are removed from the device.

Note:

- This Guide Screen image can be changed though Web UI, for more information, refer to Guide Screen Change section.
- By default, if the device has been output Guide Screen image for 60 seconds, a 60-second countdown appears on the Guide Screen. When the countdown is over, the connected display will enter standby mode if it is CEC-capable.

OSD

The device supports OSD (on screen display) to convey device basic information, including video source's information, Access code, device name and IP address, etc. Here are two different OSD examples in different scenarios.

Example 1-- Displays in single view:

Figure 2 – OSD Example 1

Example 2 – Displays in dual view

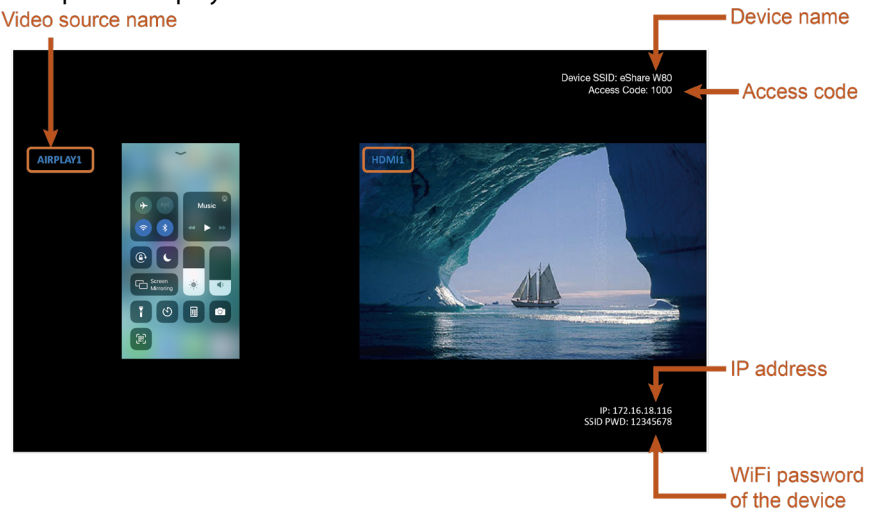


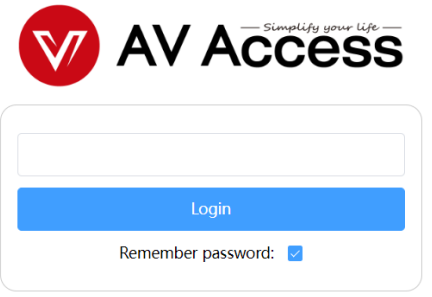
Figure 3 -- OSD Example 2

Web UI

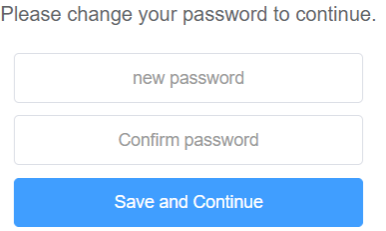
The Web UI designed for this device allows for basic controls and advanced settings. It can be accessed through a modern browser, e.g. Chrome, Safari, Firefox, IE10+, etc.

To get access the Web UI:

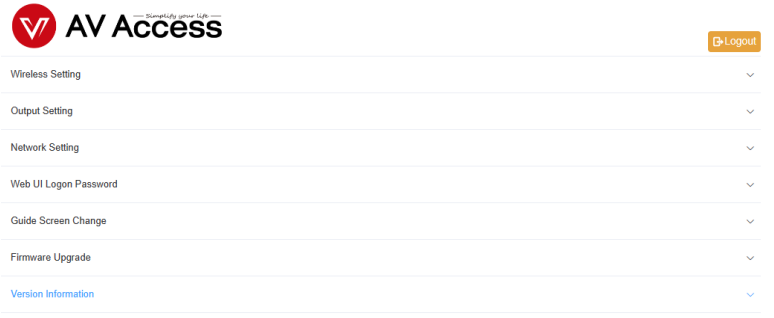
1. Connect the LAN port of the device to a local area network. Ensure there's a DHCP server in the network so that the device can obtain a valid IP address.
2. Connect a PC to the same network as the device.
3. Input the device's IP address in the browser and press Enter, the following window pops up. (See OSD section to easily view the IP address.)



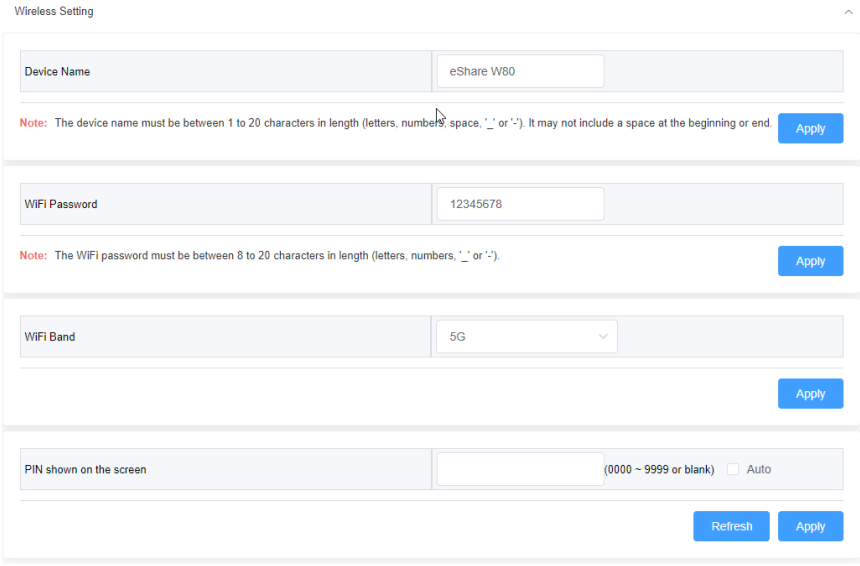
4. Input the password (default password: **admin**) and click **Login**.
5. Set up a new login password in the following dialog box and click **Save and Continue** to enter the main page. The password shall be alphanumeric only with 4 to 16 characters in length.



The main page is split into the following submenus: Wireless Setting, Output Setting, Network Setting, Web UI Logon Password, Guide Screen Change, Firmware Upgrade and Version Information.



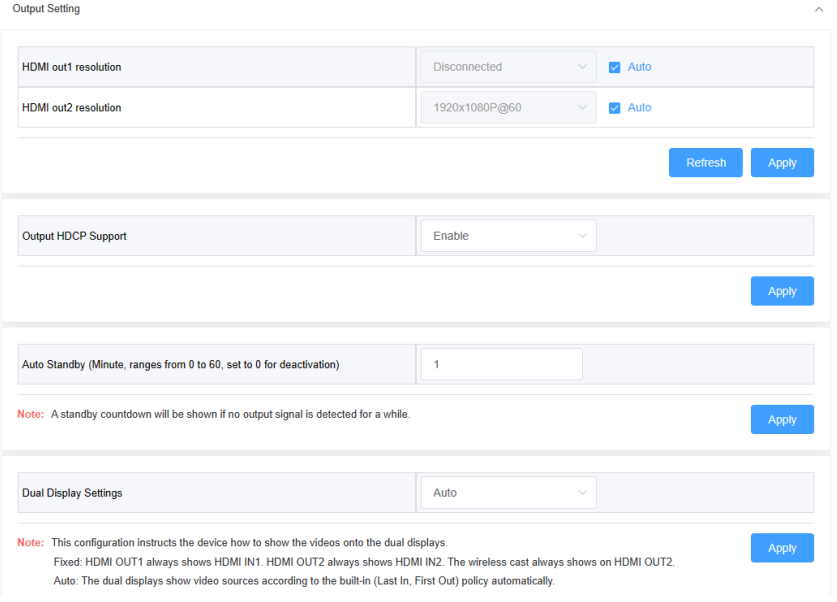
Wireless Setting



UI Element	Description
Device Name	Input a name for the device. This name also acts as the WiFi name and the receiver of Airplay and Miracast. **Note:** The name must be 1~20 characters in length, including letters, numbers, space, "_" or "-", space shall not at the beginning or end. By default, it's set as **eShare W80**.
WiFi Password	Configure the Wi-Fi password. The password must be 8~20 characters in length, including letters, numbers, "_" or "-". By default, it's set as **12345678**.
WiFi Band	• **5G**: Configure the device 's frequency band as 5GHz. • **2.4G**: Configure the device's frequency band as 2.4GHz. By default, it is set as 5GHz. If your wireless devices don't support 5GHz Wi-Fi, configures the frequency band as 2.4G before connecting them to the device.
PIN shown on	Enter a four-digit PIN code (0000~9999) to help prevent users

UI Element	Description
the screen	from accidentally connecting to an unintended device and protect from an unauthorized access. • When the PIN code is set, it will appear on the upper right corner of the display. • If you don't want to set the PIN code, you can enter nothing here. • Auto: When "Auto" is checked, the device will randomly generate a four-digit PIN in two cases: a) the device switches to Guide Screen for output; b) the device reboots. By default, it's set as blank.
Apply	Click to perform current settings.

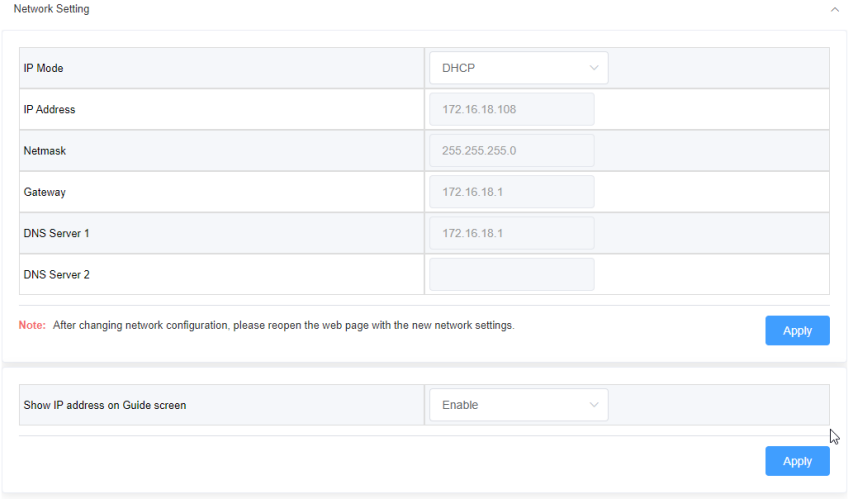
Output Setting



UI Element	Description
HDMI out1 resolution	Set the output resolution of HDMI out1. Two operation methods are offered in the following: • Auto: select to output the maximum resolution supported by the display based on the display's EDID. e.g. If display supports up to 4K@30Hz, the device will output 4K@30Hz video. • Resolution range list: select a desired output resolution from the dropdown menu to output this fixed resolution. Maximum supported resolution is 4K@30Hz. By default, it's set as Auto.
HDMI out2 resolution	Set the output resolution of HDMI out2. Two operation methods are offered in the following: • Auto: select to output the maximum resolution supported by the display based on the display's EDID. e.g. If the display supports up to 1080p@60Hz, the device will output 1080p@60Hz video. • Resolution range list: select a desired output resolution from the dropdown menu to output this fixed resolution. Maximum supported resolution is 1080p@60Hz. By default, it's set as Auto.
Refresh	Click to refresh to the latest status of the output resolution.
Output HDCP Support	To enable or disable HDCP encryption for the HDMI out 1-2. Two options are offered in the following: • **Enable:** select to enable HDCP encryption for the HDMI output. • **Disable:** select to disable HDCP encryption for the HDMI output. By default, it's set as **Enable.**
Auto Standby	Set the period of time before the countdown timer begins for auto standby. • For example, when the current output is Guide Screen, 1 minute auto standby means if there's no signal present at the display for 1 minute, the countdown timer for display standby begins; when the countdown is over, the display enters standby mode. **Note:** If the connected display doesn't support CEC, the word "Standby" appears in the middle of the Guide Screen. • If it's set to 0 minute, it means this function is disabled, you cannot set the display to standby mode.

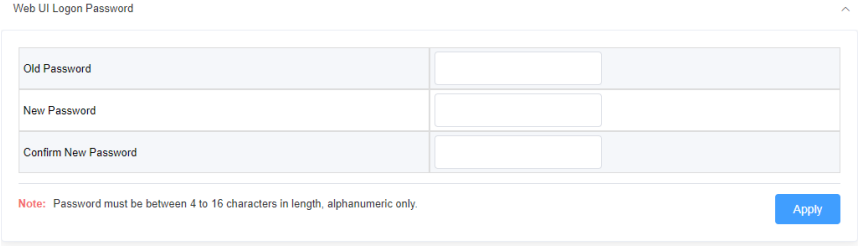
UI Element	Description
	By default, auto standby is set as **1 minute**.
Apply	Click to perform current settings.
Dual Display Settings	This item instructs the device how to assign the two HDMI inputs to two HDMI outputs. • **Auto:** The two attached displays select video sources automatically according to the LIFO (Last in, first out) rule. For more information, refer to the Display of HDMI OUT1 and HDMI OUT2 Outputs section. • **Fixed:** The HDMI IN1 is bound with HDMI OUT1, and HDMI IN 2 is bound with HDMI OUT 2; screen mirroring sources (e.g. smartphone, tablet, laptop) are always assigned to HDMI OUT2. Tip: Prior to apply this setting item, you must ensure all HDMI input and output ports are connected to available HDMI devices. By default, it is set **Auto**.

Network Setting



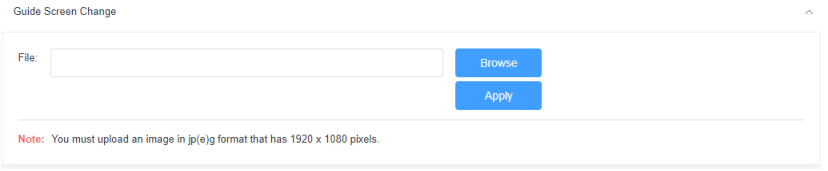
UI Element	Description
IP Mode	Select an IP mode from DHCP and Static. By default, it's set as **DHCP**.
IP Address	Set IP address manually for the device when Static mode is selected.
Netmask	Set subnet mask manually for the device when Static mode is selected.
Gateway	Set gateway address manually for the device to communicate with another network when Static mode is selected.
DNS Server 1 **DNS Server 2**	Set DNS server manually for the device to ensure normal network communication.
Show IP address on Guide Screen	• **Enable:** select to show IP address on Guide Screen. • **Disable:** select not to show IP address on Guide Screen. By default, it is set as **Enable**.
Apply	Click to save and perform current settings. Note: After the IP settings are changed, please refresh the Web UI page to re-login.

Web UI Logon Password



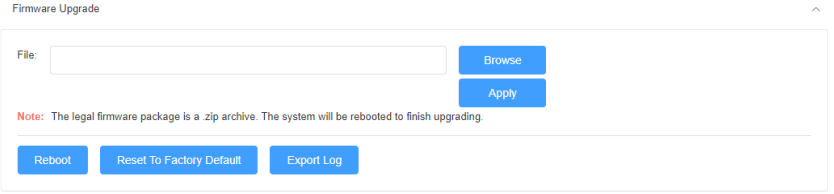
UI Element	Description
Old Password	Input the previous login password.
New Password **Confirm new password**	Input a new password for the device to login web UI page. **Note:** The password must be 4 to 16 characters in length, alphanumeric only.
Apply	Click to perform current settings.

Guide Screen Change



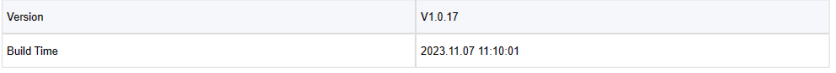
- **Browse**: click to change to a new picture for the guide screen.
  Note: Picture in jp(e)g format with 1920x1080 pixels is recommended.
- **Apply**: click to upload the selected picture to the device.

Firmware Upgrade



UI Element	Description
Browse	Click to browse for the local upgrade file.
Apply	Click to upload the firmware file to the device and perform firmware upgrade.
Reboot	Click to reboot the device.
Reset to Factory Default	Click to restore the device to its factory defaults. You can also perform this task by using the Reset button on front panel.
Export Log	Click to export system log.

Version Information



UI Element	Description
Version	Shows the device's firmware version.
Build Time	Shows the time and date when the device's firmware was built.

Firmware Upgrade

The device supports firmware upgrade through either Web UI or USB-A ports on rear panel.

To upgrade firmware through Web UI, see Firmware Upgrade section.
To upgrade firmware through USB-A port on rear panel, perform the following:

1. Name the upgrade file package “FSC630-update.zip”.
2. Create a new folder named “upgrade” under the root directory of a FAT32 or NTFS Udisk. Place the upgrade file in this folder.
3. Connect the Udisk to one of the device’s USB-A ports. It takes about 1 minute for the device to read the Udisk. If the device detects the upgrade file is a newer version, it will start upgrading. When the upgrade process is completed, the device reboots automatically.

Important:

- Do not cut off the power during the upgrade process.
- If the device detects the upgrade file is not a newer version, it will not start upgrading.

Specifications

Technical	
Input Video Port	2 x HDMI In; 1 x LAN, 10/100/1000Mbps Ethernet; 1 x WLAN
Input Video Signal	• HDMI: HDMI 1.4, HDCP 1.4 • LAN/WLAN: H.264
Input Resolutions	**HDMI:** 640x480[8], 800x600[8], 1024x768[8], 1280x768[8], 1280x800[8], 1280x1024[8], 1360x768[8], 1366x768[8], 1440x900[8], 1400x1050[8], 1600x1200[8], 1680x1050[8], 1920x1200[8], 720x480[8] (480p), 720x576[6] (576p), 1280x720[5] (720p30), 1280x720[6] (720p50), 1280x720[8] (720p60), 1920x1080[2] (1080p24), 1920x1080[3] (1080p25), 1920x1080[5] (1080p30), 1920x1080[6] (1080p50), 1920x1080[8] (1080p60), 3840x2160[2](2160p24), 3840x2160[3](2160p25), 3840x2160[5](2160p30) **LAN/WLAN:** H.264 encoding stream, up to 3840x2160[5] (2160p30) Note: The input resolution support for LAN or WLAN may vary according to the specific BYOD protocols and devices. 1 = at 23.98 Hz, 2 = at 24 Hz, 3 = at 25 Hz, 4 = at 29.97 Hz, 5 = at 30 Hz, 6 = at 50 Hz, 7 = at 59.94 Hz, 8 = 60 Hz
Output Video Port	2 x HDMI
Output Video Signal	HDMI 1.4, HDCP 1.4
Output Resolutions	**HDMI OUT1:** 720x480[8] (480p60), 720x576[6] (576p60), 640x480[8], 800x600[8], 1024x768[8], 1280x720[6](720p50), 1280x720[8] (720p60), 1280x800[8], 1280x1024[8], 1366x768[8], 1440x900[8], 1600x1200[8], 1680x1050[8], 1920x1200[8], 1920x1080[2] (1080p24), 1920x1080[3] (1080p25), 1920x1080[5] (1080p30), 1920x1080[6] (1080p50), 1920x1080[8] (1080p60), 3840x2160[3] (2160p25), 3840x2160[5] (2160p30) **HDMI OUT2:** 720x480[8] (480p60), 720x576[6] (576p60), 640x480[8], 800x600[8], 1024x768[8], 1280x720[6](720p50), 1280x720[8] (720p60), 1280x800[8], 1280x1024[8], 1366x768[8], 1440x900[8], 1600x1200[8], 1680x1050[8], 1920x1200[8],

Technical	
	1920x1080[2] (1080p24), 1920x1080[3] (1080p25), 1920x1080[5] (1080p30), 1920x1080[6] (1080p50), 1920x1080[8] (1080p60) 1 = at 23.98 Hz, 2 = at 24 Hz, 3 = at 25 Hz, 4 = at 29.97 Hz, 5 = at 30 Hz, 6 = at 50 Hz, 7 = at 59.94 Hz, 8 = 60 Hz

Audio	
Input Audio Port	2 x HDMI; 1 x LAN; 1 x WLAN
Input Audio Signal	RAW PCM 2.0, 16 bit, 32/44.1/48KHz sps
Output Audio Port	1 x HDMI OUT (HDMI OUT 1), 1 x Analog Audio OUT
Output Audio Signal	RAW PCM 2.0, 16 bit, 48KHz sps

Wi-Fi	
Standard	IEEE 802.11 a/b/g/n/ac
Frequency	Dual bands, 2.4~2.4835GHz, 5.0~5.8GHz
Security	WEP, TKIP, AES, WPA, WPA2

Control	
Control Connector	1 x RJ45, 10/100/1000Mbps Ethernet
Control Method	LAN (Web UI)

General	
Operating Temperature	0°C to + 45°C (32 to + 113 °F)
Storage Temperature	-20 to +70°C (-4 to + 158 °F)
Humidity	10% to 90%, non-condensing
ESD Protection	Human-body Model: ±8kV (Air-gap discharge)/±4kV (Contact discharge)
Power Supply	12V 3A DC
Power Consumption	26.5W (Max)
Device Dimensions (W x H x D)	242.6mm x 29.1mm x 142mm / 9.55" x 1.14" x 5.59"
Product Weight	0.80kg/1.76lbs

Warranty

Products are backed by a limited 1-year parts and labor warranty. For the following cases AV Access Technology Limited shall charge for the service(s) claimed for the product if the product is still remediable and the warranty card becomes unenforceable or inapplicable.

1. The original serial number (specified by AV Access Technology Limited) labeled on the product has been removed, erased, replaced, defaced or is illegible.
2. The warranty has expired.
3. The defects are caused by the fact that the product is repaired, dismantled or altered by anyone that is not from an AV Access Technology Limited authorized service partner. The defects are caused by the fact that the product is used or handled improperly, roughly or not as instructed in the applicable User Guide.
4. The defects are caused by any force majeure including but not limited to accidents, fire, earthquake, lightning, tsunami and war.
5. The service, configuration and gifts promised by salesman only but not covered by normal contract.
6. AV Access Technology Limited preserves the right for interpretation of these cases above and to make changes to them at any time without notice.

Thank you for choosing products from AV Access.

If you have any question, please contact us via the following emails:
General Enquiry: info@avaccess.com
Customer/Technical Support: support@avaccess.com

有线无线混合会议演示系统

eShare W80

用户手册

视连捷
AV Access

目录

简介

概述

本产品是一款高性能、支持无线投屏功能的 BYOD 演示切换器。除配置有线 HDMI 视频输入端口以外，它还内置了 Wi-Fi 模块，支持多种接入方式，包括 Airplay、Miracast 和投屏器等方式，以便用户能轻松地将自己的电脑(Mac/Windows 笔记本)或手机（iPhone/安卓）、iPad 等设备无线投屏到显示端。同时还支持信号自动切换、CEC、HID 和 USB 设备信号回传、向导屏幕和 OSD 显示等功能。本产品适用于会议室、工作组讨论等应用场景。

特性

- 配置两路 HDMI 输入和两路 HDMI 输出
- 支持双画面显示
- 内置 Wi-Fi 模块，提供 Airplay、Miracast 和投屏器等无线接入方式
- 支持 HID 和 USB 设备信号有线和无线回传
- HDMI 输入和输出分辨率高达 4K@30Hz 4:4:4
- 支持 OSD
- 支持 Web UI (网页版用户界面)

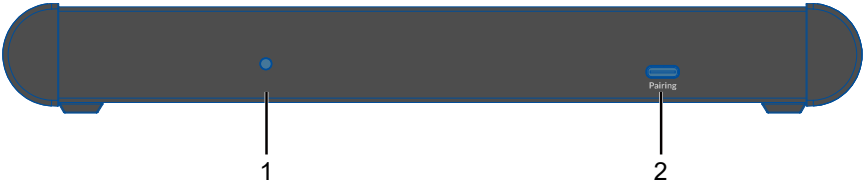
包装明细

在开始使用本产品前，请通过下列明细检查包装配件：

- eShare W80 x 1
- DC 12V 电源适配器 x 1
- HDMI 线（1.8 米) x 2
- USB 3.0 Type-A 转 Type-B 线（1.8 米) x 1
- 用户手册 x 1

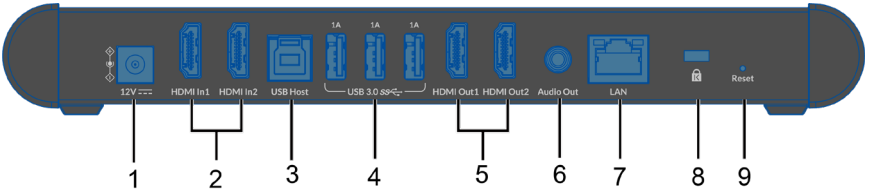
面板

前面板



ID	名称	描述
1	Status 指示灯	• 快闪：设备正在启动。/设备正在进行升级。 • 长亮：设备已完成启动。/设备正常运行。 • 慢闪：设备处于待机状态。 • 不亮：设备未通电。
2	Pairing	USB-C 端口，连接至投屏器用于与投屏器进行配对连接或对投屏器进行升级。

后面板

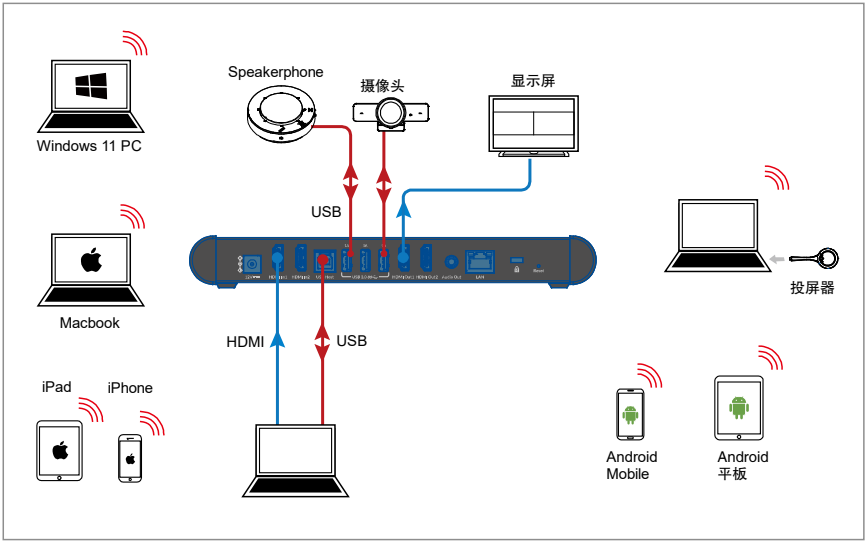


ID	名称	描述
1	12V	连接至 DC 12V 电源适配器。
2	HDMI IN 1-2	连接至 HDMI 显示设备。
3	USB Host	连接至 USB Host 设备。
4	USB 3.0	3 x USB-A 接口，支持以下两种功能： (1) 连接 USB 外设(如鼠标、键盘、触控屏、摄像头、Speakerphone 等)以实现 USB 信号扩展。 注： • 键盘和鼠标不支持信号无线回传至 Dongle。 • 每一个 1A 接口可对外输出 DC 5V 1A 电源。 (2) 连接 U 盘至任意一个 1A 接口用于对设备固件进行升级，详情请参考固件升级章节。

ID	名称	描述
5	HDMI Out 1-2	连接至 HDMI 显示设备。
6	Audio Out	连接至音频接收设备以剥离输出非平衡模拟音频。 提示：此端口将自动剥离并输出来自最新连接视频源的音频信号。
7	LAN	连接至网络设备(如网络交换机、路由器、电脑等)以实现局域网控制(Web UI)以及 Airplay 投屏信号输入。
8		Kensington 锁孔
9	Reset	此按钮提供两种用法： • 设备开机状态下，短按按钮，设备 OSD 信息会在 HDMI 显示器上显示并停留 10 秒。 • 设备开机状态下，长按按钮 5 秒以上再松开，设备将重启并恢复至出厂设置。

应用

应用场景一



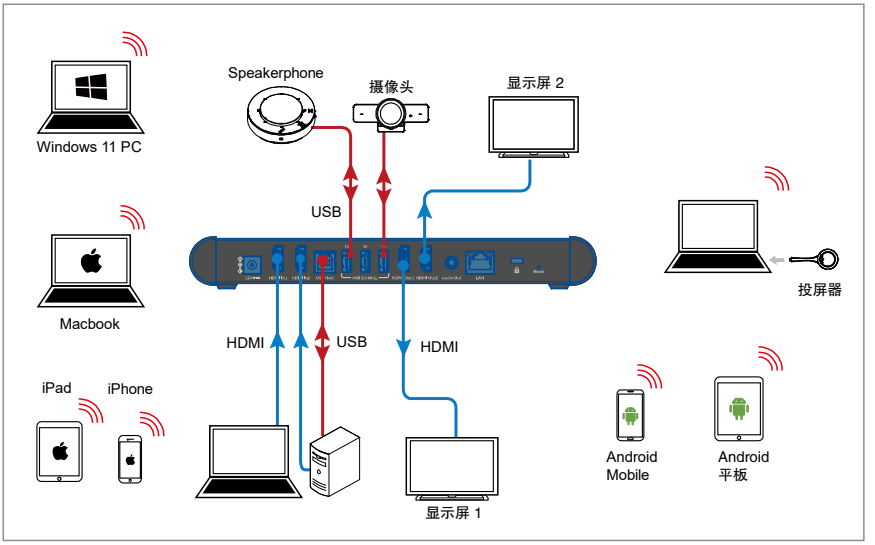
要点:

- 将投屏器插入笔记本电脑(确保投屏器已提前与本设备提前成功配

对)，笔记本电脑可通过投屏器无线连接至本设备，并访问设备所连的摄像头和 speakerphone。

- 用户可以通过 Airplay 和 Miracast 投屏方式将笔记本电脑和移动设备无线投屏至 HDMI 显示屏上。
- 当设备仅有一路 HDMI 输出连接至 HDMI 显示器，设备将激活双画面显示功能。

应用场景二



要点:

- 将投屏器插入笔记本电脑(确保投屏器已提前与本设备提前成功配对)，笔记本电脑可通过投屏器无线连接至本设备，并访问设备所连的摄像头和 speakerphone。
- 用户可以通过 Airplay 和 Miracast 投屏方式将笔记本电脑和移动设备无线投屏至 HDMI 显示屏上。

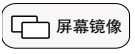
主要功能

无线投屏

如您正在使用电脑并希望在另一台显示设备上显示电脑界面，您也许会考虑将电脑内容无线投屏至屏幕上。

本设备支持无线投屏，用户可通过 Airplay Mirroring、Miracast 和投屏器的方式在显示屏上无线共享移动设备的内容。在本手册中，可用于无线投屏的移动设备称为“投屏信号源”，它包括苹果设备(iPhone/iPad/Mac)、Android 手机、Windows 电脑和投屏器等设备。

通过 Airplay 投屏(适用于苹果设备)

1. 连接 iPhone/iPad/Mac 至本设备的 Wi-Fi。
   - ⇨ **Wi-Fi SSID**: 与设备名称相同，也可以通过显示器右上角的 OSD 信息获取。
     默认设置：**eShare W80**
   - ⇨ **密码**: 通过网页版用户界面设置；密码可通过显示器右上角的 OSD 信息获取。
     默认设置：**12345678**
2. 在苹果设备上打开控制中心，点击 

并在弹出菜单中选择本设备对应的名称 (设备名称可通过显示器右上角的 OSD 信息获取)。
3. 如需断开苹果设备与本设备之间的连接：单击**停止镜像**；显示端将不再显示苹果设备屏幕的内容。

通过 Miracast 投屏 (适用于安卓设备和 Windows 电脑)

以华为手机为例：

1. 开启手机的 Wi-Fi 或 WLAN 功能。
2. 在手机上，手指从屏幕上方往下滑动，在弹出的控制中心页面里轻点

无线投影图标 

,从出现的可用设备列表中选择本设备对应的名称进行投屏（设备名称可通过显示器右上角的 OSD 信息获取)。

3. 如需断开手机与本设备之间的连接：在手机上轻点“断开连接”。

注:

- 不同手机的 Miracast 功能的图标、界面等内容可能会有所不同，详情请参考手机的用户手册获取指导。
- 如无法执行 Miracast 投屏操作，建议关闭手机的 Wi-Fi 或者 WLAN 功能后再重新开启，或者重启手机。

使用 Windows 电脑(Windows 10 及以上)

1. 开启电脑的 WLAN 功能。
2. 单击电脑的组合按键 “⊞ + K”，从弹出的可用设备列表中选择本设备对应的名称进行投屏(设备名称可通过显示器右上角的 OSD 信息获取)。
3. 如需断开电脑与本设备之间的连接：单击**断开连接**；显示端将不再显示电脑屏幕内容。

注：

- 不同电脑之间的 Miracast 功能的图标、界面和提示等内容可能会有所不同。
- 由于兼容性问题，某些 Windows 10 电脑可能无法使用 Miracast 功能。

提示：Airplay 和 Miracast 功能都支持接入码。如在操作设备过程中遇到要求输入 PIN 码的情况，请先查看 HDMI 显示屏上的 OSD 信息以获取接入码，该接入码即为对应的 PIN 码。(关于 OSD 的更多信息，请查看 OSD 章节)

通过投屏器投屏

通过使用 eShare D20 投屏器，用户可快速将笔记本电脑的内容无线共享至显示器，无需另外安装驱动。

注：

(1) eShare D20 投屏器需另行购买。

(2) 将 eShare D20 投屏器插入电脑之前，请务必确保电脑的 USB-C 接口支持视频输出。

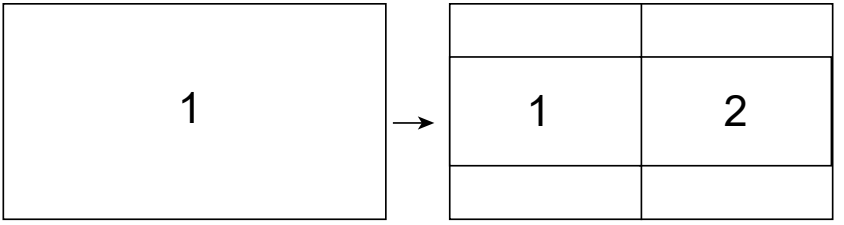
想要使用投屏器无线共享电脑内容，可参考如下步骤：

1. 将投屏器与设备进行配对
   将投屏器连接至设备的 PAIRING 接口进行配对，当显示屏上显示“Pairing successful”时，代表二者配对成功。
2. 将已配对的投屏器连接至笔记本电脑
   接入电脑后，投屏器开始启动，并尝试连接至本设备的 WiFi。连接成功后，投屏器的 LED 指示灯停止闪烁变为长亮。
3. 短按投屏按钮即可无线共享电脑屏幕。
4. 中止投屏：再次短按投屏按钮，电脑将停止共享屏幕，本设备将切换至使用投屏器投屏前的信号源。

注：有关更多投屏器的信息，请参考对应的用户指导。

双画面显示

当仅有一路 HDMI 输出端口（HDMI OUT1 或 HDMI OUT2）连接至 HDMI 显示器时，设备支持双画面显示，即最多可以在同一屏幕上显示两路视频源。



如两路视频源在 HDMI OUT1 或 HDMI OUT2 所连接的显示屏上以双画面模式同时播放，此时连接一路新的视频源至设备，此输入源将取代前面两路视频源中播放时间更长的一路并输出。

信号自动切换

设备的信号自动切换功能允许用户快速切换至想要播放的视频源，此功能遵循"后进先出"原则：

1. 当仅有一路视频源连接至设备时，HDMI OUT 1 和/或 HDMI OUT 2 自动输出此视频源至显示屏。
2. 两路视频源在同一显示屏上以双画面模式显示的情况下，继续接入一路视频源时，新输入的视频源将取代其中一路视频源显示在屏幕上。详情请查看双画面显示章节。
3. 当设备未检测到视频源输入时，经过一段时间后，设备最终输出向导屏幕。

两路 HDMI 输出的显示方式

当 HDMI OUT1 和 HDMI OUT2 分别连接至不同显示屏时，设备关闭双画面显示功能，此时两路 HDMI 输出通道的运行机制如下：

(1) 每路 HDMI 输出在其对应的显示屏上以单一视图显示。
(2) 如设备未检测到有效视频源输入，两路 HDMI 输出将输出向导屏幕。
(3) 如设备仅检测到一路视频源输入，则两路 HDMI 输出都输出这一路视频源。
(4) 在已有一路视频源输入的情况下，此时新增加一路输入源，则新增的输入源被分配至 HDMI OUT2，原有输入源仍通过 HDMI OUT1 输出。
(5) 在已有两路视频源输入的情况下，此时新增加一路输入源，则新增的输入源将替代较早开始播放的输入源，从而通过对应的 HDMI OUT 端口输出。
(6) 当两路 HDMI 输入源分别连接至设备 HDMI IN 1 和 HDMI IN2 且同时被显示时，设备支持双桌面模式。

向导屏幕

当设备未检测到有效视频源输入时将输出向导屏幕。向导屏幕可为用户提供基本的操作连接指导，并支持通过网页版用户界面对其进行个性化定制。

图 1 – 向导屏幕图

提示:

- 向导屏幕图可通过网页版用户界面进行自定义，详情参见下文 Guide Screen Change 章节。
- 默认情况下，当向导屏幕持续输出的时间达到 60 秒时，输出端的显示屏将显示一个长达 60 秒的倒计时。倒计时结束后，如所连接的显示器支持 CEC 功能，显示器将进入待机状态。

OSD

设备提供 OSD 显示功能，即输出端显示屏上将显示视频源信息、接入码、设备名称和 IP 地址等内容，如图 2 和图 3 所示。

示例一 – 单画面显示

图 2 – OSD 示例一

示例二 – 双画面显示

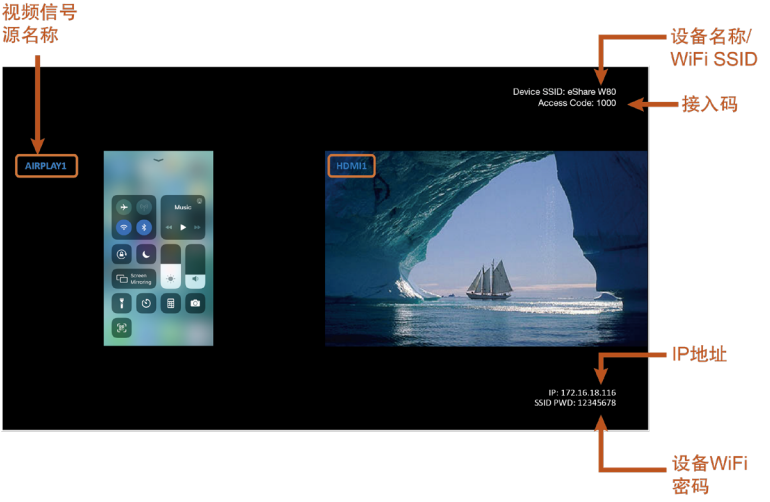


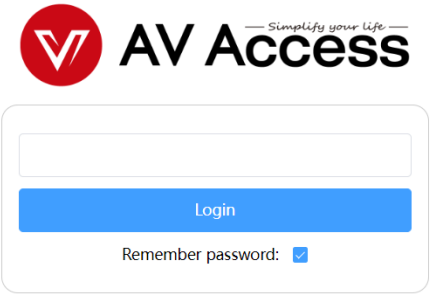
图 3 – OSD 示例二

网页版用户界面

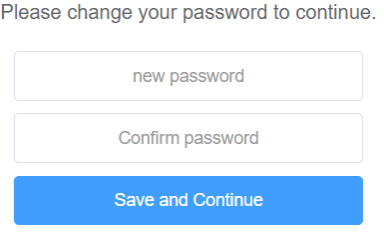
设备提供专属的网页版用户界面，方便用户对设备进行快速直观的控制与设置。该网页版用户界面可通过 Chrome、Safari、FireFox、Opera、Microsoft Edge 等浏览器(确保浏览器为最新版本)访问。

网页版用户界面登录步骤：

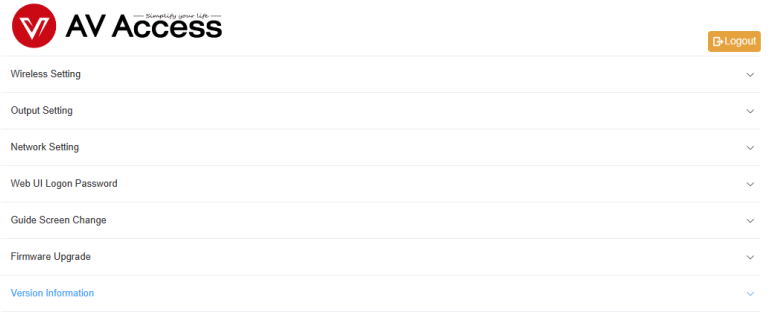
1. 连接本设备的 LAN 端口至局域网 (确保该网络已部署 DHCP 服务器，且能为设备分配一个有效的 IP 地址)。
2. 连接电脑到本设备所在的网络。
3. 在浏览器的地址栏输入本设备的 IP 地址，点击回车，弹出登录窗口(想要快速查看设备 IP 地址，可参考 OSD 章节)。



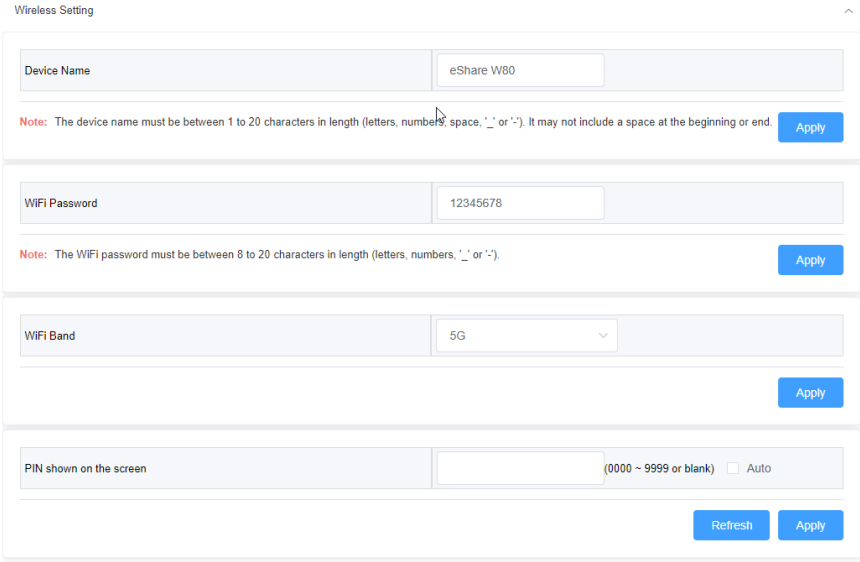
4. 输入登录密码(默认密码为 admin)，点击 **Login**。
5. 在弹出的对话框中设置新的网页登录密码，点击 **Save and Continue** 进入到主页。



网页版用户界面包含如下子菜单：Wireless Setting, Output Setting, Network Setting, Web UI Logon Password, Guide Screen Change, Firmware Upgrade 以及 Version Information，用于对设备的常规配置，如网络、显示屏控制、登录密码修改、向导屏幕设置、固件升级、恢复出厂设置等。



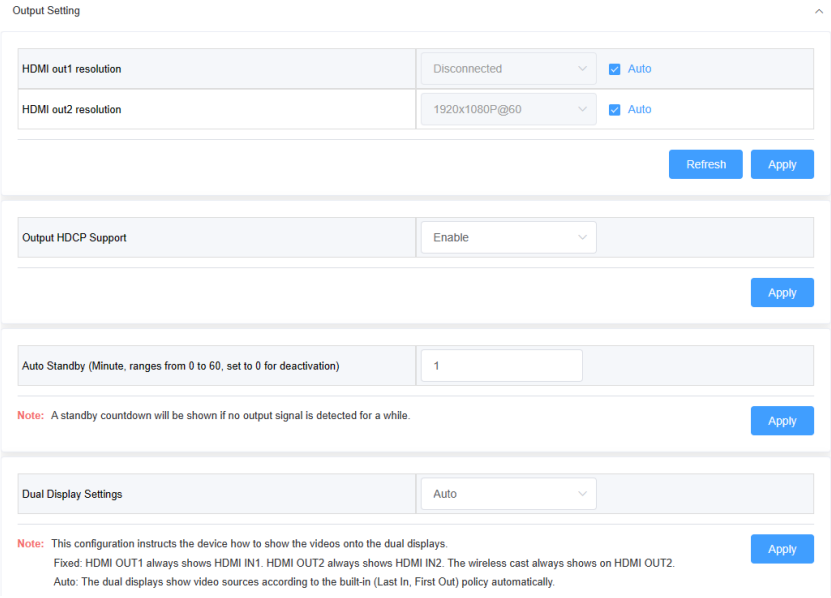
Wireless Setting



名称	描述
Device Name	用于修改设备名称（此名称同时也是 Wi-Fi 以及设备作为 Airplay 和 Miracast 接收端的名称)。 注：该名称必须为 1 至 20 个字符长度以内，支持字母、数字、空格、下划线"_"和连接符"-"，且空格不能位于开头和结尾。 默认设置: **eShare W80**
WiFi Password	设置 Wi-Fi 密码。 注：该密码长度必须在 8-20 个字符以内，可由字母、数字、下划线 "_"和连接符 "-"组成；密码不可以设置为空。 默认设置：**12345678**
WiFi Band	• 5G: 设置设备的 WiFi 频段为 5GHz • 2.4G: 设置设备的 WiFi 频段为 2.4GHz 注：设备默认的 WiFi 信号频段为 5GHz。如您所使用的无线设备不支持 5GHz Wi-Fi，请先设置其工作频段为 2.4GHz 后再通过 Miracast 连接至此设备。
PIN shown on the screen	输入四位数字以设置 PIN 码;设置 PIN 码可防止其它设备误接入或者未经授权的访问。 **注：** • PIN 码由四位数字组成，范围为 0000 至 9999；如不想设置接入码，此处可留空。 • PIN 码设置成功后，将会显示在 OSD 信息中。

名称	描述
	• 选择“Auto”后，出现下列情况时，本设备将随机生成新的 PIN 码： a)设备切换至向导屏幕；b)设备重启。 默认设置：无
Apply	单击以执行设置。

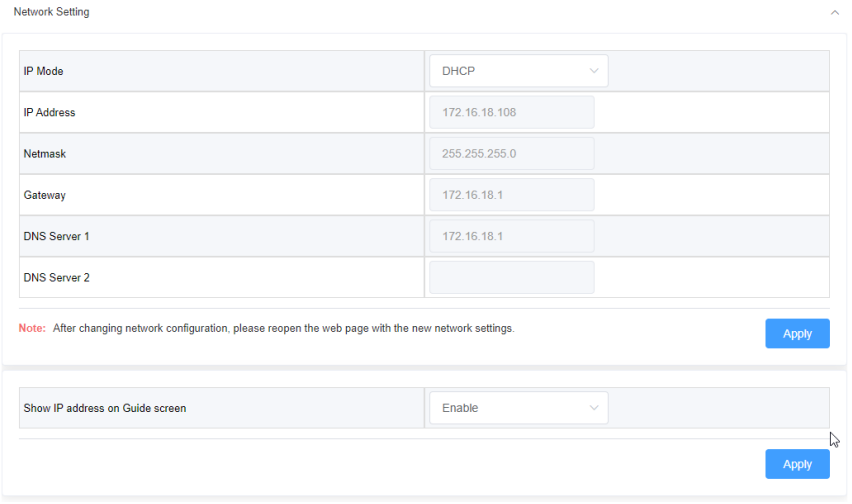
Output Setting



名称	描述
HDMI out1 resolution	设置 HDMI OUT1 的 HDMI 输出分辨率。提供如下两种设置方式： • **Auto**: 设备根据显示端的 EDID 输出显示端所支持的最大分辨率。例如，显示端最高支持 4K@30Hz，设备则输出 4K@30Hz。 • **分辨率范围列表**: 从下拉菜单里选择特定的输出分辨率，设备将输出该分辨率。 默认设置：**Auto**
HDMI out2 resolution	设置 HDMI OUT2 的 HDMI 输出分辨率。提供如下两种设置方式： • **Auto**: 设备根据显示端的 EDID 输出显示端所支持的最大

名称	描述
	分辨率。 • **分辨率范围列表**: 从下拉菜单里选择一个输出分辨率，设备将输出该分辨率。 默认设置：**Auto**
Refresh	单击此选项可刷新并显示当前的输出分辨率的信息。
Output HDCP Support	开启/关闭输出端口的 HDCP 加密功能： • **Enable**: 为输出端口启用 HDCP 加密; • **Disable**: 为输出端口关闭 HDCP 加密。 默认设置：**Enable**
Auto Standby	设置显示器启动自动待机超时倒计时之前的时长。 • 例如，设置自动待机超时为 1 分钟，当设备输出向导屏幕，且显示器在 1 分钟内未检测到信号源输入时，设备启动自动待机倒计时；倒计时结束时，显示器自动进入待机状态。注：如所连的显示器不支持 CEC，显示器屏幕中央将显示“Standby”字样而非进入待机状态。 • 如自动待机超时设为 0，显示器将不会进入自动待机状态。 默认设置：**1 分钟**
Dual Display Settings	此设置项用于设置两路 HDMI 输入和两路 HDMI 输出之间的关联关系。 • **Auto**: 两路 HDMI 输出根据 LIFO（后进先出）原则自动选择输入源。更多信息请参考两路 HDMI 输出的显示方式章节。 • **Fixed**: HDMI IN1 与 HDMI OUT1 绑定，HDMI IN 2 与 HDMI OUT2 绑定；屏幕镜像源（如手机、平板、笔记本电脑等）始终输出至 HDMI OUT2。 默认设置：**Auto**
Apply	单击以执行设置。

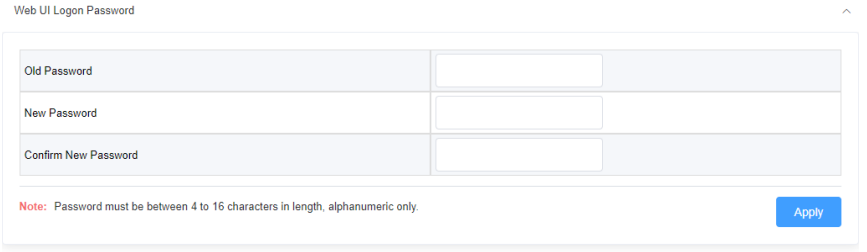
Network Setting



名称	描述
IP Mode	更改本设备的动态或静态 IP 地址设置。 • **DHCP**：点击该选项，设备的 IP 地址将通过网络中的 DHCP 服务器自动分配。 • **Static**：点击该选项，可对设备的 IP 地址进行手动设置。 默认设置：**DHCP**
IP Address	为设备手动设置 IP 地址（当 IP 地址获取方式设为 Static 时有效）
Netmask	为设备手动设置子网掩码（当 IP 地址获取方式设为 Static 时有效）
Gateway	为设备手动设置网关地址以实现与不同网络互连（当 IP 地址获取方式设为 Static 时有效）
DNS Server 1	为设备手动设置域名服务器地址以确保正常上网（当 IP 地址获取方式设为 Static 时有效）
DNS Server 2	
Show IP address on Guide Screen	• **Enable:** 选择此选项，使设备的 IP 地址显示在向导屏幕上。 • **Disable:** 选择此选项，使设备的 IP 地址不显示在向导屏幕上。 默认设置：**Enable**
Apply	单击以执行设置。

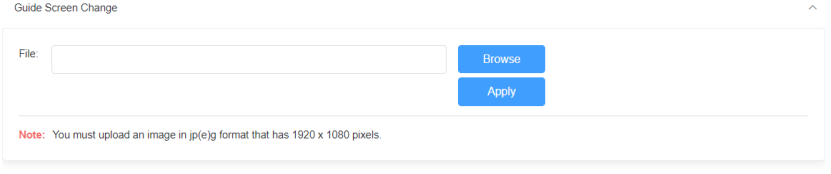
名称	描述
	注：网络设置被修改后，请关闭此页面并使用新的网络设置打开此页面。

Web UI Logon Password



名称	描述
Old Password	输入当前登录网页版用户界面的登录密码。
New Password	设置用于登录网页版用户界面的新登录密码。 **注：**新密码长度必须在 4-16 个字符之间，仅由数字、字母组成。
Confirm new password	
Apply	单击以执行设置

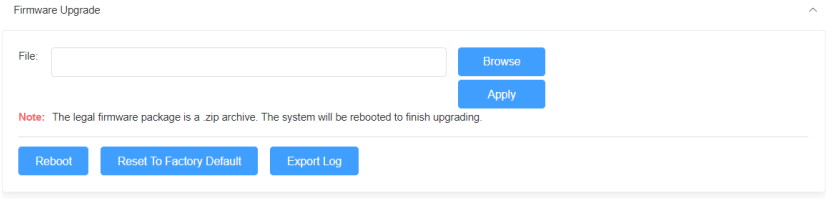
Guide Screen Change



- **Browse**：点击该选项，在电脑上搜索并上传新的图像文件以便修改向导屏幕图。

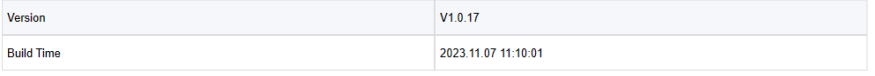
  注：请确保上传图像文件的分辨率为 1920x1080，jpg 或 jpeg 格式。
- **Apply**：单击以执行设置。

Firmware Upgrade



名称	描述
Browse	单击以搜索本地固件升级文件
Apply	单击以上传固件升级文件至设备
Reboot	单击以重启设备
Reset to Factory Default	单击以恢复设备的所有设置至默认出厂状态。长按前面板 Reset 按钮也可实现此功能。
Export Log	单击以导出设备的工作日志(.tar.gz)至本地。

Version Information



名称	描述
Version	显示设备固件版本信息
Build Time	显示设备固件构建时的日期和时间

固件升级

本设备支持通过网页版用户界面或后面板 USB-A 端口执行固件升级操作。

通过 USB-A 端口升级固件的步骤：

1. 将固件升级文件的名称命名为“FSC630-update.zip”，确保所有字母均为小写。
2. 准备一个 FAT32 或 NTFS 格式的 U 盘，在根目录下创建文件名为“upgrade”的文件夹。将步骤 1 中的升级文件存放在此文件夹里。
3. 将 U 盘插入设备的 USB-A 端口，设备将开始读取 U 盘数据，读取过程耗时约 1 分钟。如检测到 U 盘内的升级文件为更新的版本，设备将启动升级操作。设备升级成功后自动重启。

注：

- 升级过程中切勿关闭设备电源，否则可能引起设备损坏。
- 如此设备检测到 U 盘内的升级文件版本不高于当前安装版本，将不启动升级。

规格

技术	
输入视频端口	2 x HDMI In; 1 x LAN, 10/100/1000Mbps Ethernet; 1 x WLAN
输入视频信号	• HDMI: HDMI 1.4, HDCP 1.4 • LAN/WLAN: H.264
输入分辨率	**HDMI:** 640x480[8], 800x600[8], 1024x768[8], 1280x768[8], 1280x800[8], 1280x1024[8], 1360x768[8], 1366x768[8], 1440x900[8], 1400x1050[8], 1600x1200[8], 1680x1050[8], 1920x1200[8], 720x480[8] (480p), 720x576[6] (576p), 1280x720[5] (720p30), 1280x720[6] (720p50), 1280x720[8] (720p60), 1920x1080[2] (1080p24), 1920x1080[3] (1080p25), 1920x1080[5] (1080p30), 1920x1080[6] (1080p50), 1920x1080[8] (1080p60), 3840x2160[2](2160p24), 3840x2160[3](2160p25), 3840x2160[5](2160p30) **LAN/WLAN:** H.264 编码码流，最高支持 3840x2160[5] (2160p30) 注：LAN 或 WLAN 所支持的最大输入分辨率根据对应的 BYOD 协议或设备可能会有所不同。 1 = at 23.98 Hz, 2 = at 24 Hz, 3 = at 25 Hz, 4 = at 29.97 Hz, 5 = at 30 Hz, 6 = at 50 Hz, 7 = at 59.94 Hz, 8 = 60 Hz
输出视频端口	2 x HDMI
输出视频信号	HDMI 1.4, HDCP 1.4
输出分辨率	**HDMI OUT1:** 720x480[8] (480p60), 720x576[6] (576p60), 640x480[8], 800x600[8], 1024x768[8], 1280x720[6](720p50), 1280x720[8] (720p60), 1280x800[8], 1280x1024[8], 1366x768[8], 1440x900[8], 1600x1200[8], 1680x1050[8], 1920x1200[8], 1920x1080[2] (1080p24), 1920x1080[3] (1080p25), 1920x1080[5] (1080p30), 1920x1080[6] (1080p50), 1920x1080[8] (1080p60), 3840x2160[3] (2160p25), 3840x2160[5] (2160p30) **HDMI OUT2:** 720x480[8] (480p60), 720x576[6] (576p60), 640x480[8], 800x600[8], 1024x768[8], 1280x720[6](720p50), 1280x720[8] (720p60), 1280x800[8], 1280x1024[8], 1366x768[8], 1440x900[8], 1600x1200[8], 1680x1050[8], 1920x1200[8], 1920x1080[2] (1080p24), 1920x1080[3] (1080p25), 1920x1080[5] (1080p30), 1920x1080[6] (1080p50), 1920x1080[8] (1080p60) 1 = at 23.98 Hz, 2 = at 24 Hz, 3 = at 25 Hz, 4 = at 29.97 Hz, 5 = at 30 Hz, 6 = at 50 Hz, 7 = at 59.94 Hz, 8 = 60 Hz

音频	
输入音频接口	2 x HDMI; 1 x LAN; 1 x WLAN
输入音频信号	RAW PCM 2.0, 16 bit, 32/44.1/48KHz sps
输出音频接口	1 x HDMI OUT (HDMI OUT1); 1 x 模拟音频 Audio OUT
输出音频信号	RAW PCM 2.0, 16 bit, 48KHz sps

Wi-Fi	
标准	IEEE 802.11 a/b/g/n/ac
频率	双频, 2.4~2.4835GHz, 5.0~5.8GHz
安全协议	WEP, TKIP, AES, WPA, WPA2

控制	
控制接口	1 x RJ45, 10/100/1000Mbps 以太网
控制方式	LAN (网页版用户界面)

通用	
操作温度	0°C ~ + 45°C (32 ~ + 113 °F), 10% to 90%, 无冷凝
存储温度	-20 ~ +70°C (-4 ~ + 158 °F) , 10% to 90%, 无冷凝
静电保护	人体模式: ±8kV (气隙放电)/±4kV (接触放电)
电源	12V 3A DC
功耗 (最大)	26.5W
设备尺寸 (W x H x D)	242.6mm x 29.1mm x 142mm
产品重量	0.80kg

产品质保

本产品提供一年的保修和人工保障服务。在下列情况中，如果设备仍可以维修但保修卡已不能使用或者不适用，我们将对维修行为进行收费。

1. 产品上标注的源序列号（由视连捷提供）被撕毁，抹除，替换，污损或难以辨认。
2. 超过保修期限。
3. 由非视连捷授权的服务合作商进行修理、拆卸或者更换配件造成的缺陷，或者未严格按照产品的用户指南使用或者操作不当造成的产品缺陷。
4. 由不可抗力造成的缺陷。包括但不限于事故、火灾、地震、雷电、海啸和战争。
5. 销售人员承诺的配置和礼品，但不包括在正常合同范围内。
6. 视连捷保留对上述条款的解释权，并随时更改，恕不另行通知。

感谢您选择视连捷的产品。

如有任何问题，请通过以下邮箱联系我们：
普通咨询：info@avaccess.com
售后/技术支持：support@avaccess.com

注意事项

1. 不得打开、拆解或修理本产品。
2. 不要在炎热、寒冷、尘土飞扬或潮湿的环境下使用；请用干布擦拭该设备。
3. 尽可能地避免抛掷，严重的抛掷力可能会造成机械损坏、故障或划伤表面。

有害物质声明

根据中国《电子信息产品污染控制管理办法》

有害物质										
部件名称	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr +6)	多溴联苯 (PBB)	多溴二苯醚 (PBDE)	邻苯二甲酸二异丁酯 (DIBP)	邻苯二甲酸二 (2-乙基己基) 酯 (DEHP)	邻苯二甲酸二丁基酯 (DBP)	邻苯二甲酸甲苯基丁酯 (BBP)
电缆	○	○	○	○	○	○	○	○	○	○
电路板组件	○	○	○	○	○	○	○	○	○	○
塑料部件	○	○	○	○	○	○	○	○	○	○
金属部件	○	○	○	○	○	○	○	○	○	○
橡胶部件	○	○	○	○	○	○	○	○	○	○

本表格根据SJ/T 11364的规定编制
○ = 表示该有害物质在该部件所有均质材料中的含量均在GB/T 26572规定的限量要求以下。

产品保修

保修期限	
购买日期	
购买地点	
产品序列号	
商品编号	
盖章	

日期	维修情况

AV Access
Streamlining your life