

TAP-AV-1005

Quad view wall plate with HDBaseT Extension



User Manual

Version: 20241024

Introduction

Quad View over HDBaseT Wall Plate supports HDMI and USB-C input, and provide Single or multi video output splitting processor.

This product provides high-quality video output, and highest resolution up to 4K UHD, meanwhile, it comes with the extension function of HDBaseT to extend the high-quality image to distance of 100Meter through single Category cable. Additionally, it is equipped with the standard HDBaseT protocol, it can be directly connected to projectors with the HDBaseT protocol.

It is increased Audio output on both front and back panel, can be used for speaker or earphone for the Audio output. The control interface of this product adopts touch panel, it is much simple and fast to switch single-screen or multi-screen, sound source, and resolution output functions. The hairline interface of the front panel is more aesthetic and can be more fully installed in different environments, such as restaurants and meeting rooms, digital lectern and other scenes Furthermore, it is added PD function and allow users to quickly charge laptops, mobile phones, or devices that support PD directly through this product. In addition, the product has added a universal power socket so that users can additionally supply power to other devices

The installation method of the product is also designed in consideration of different installation environments. It can be installed on a desktop or a desk, or inserted into a wall in an upright manner. Various installation methods make the product more flexible.

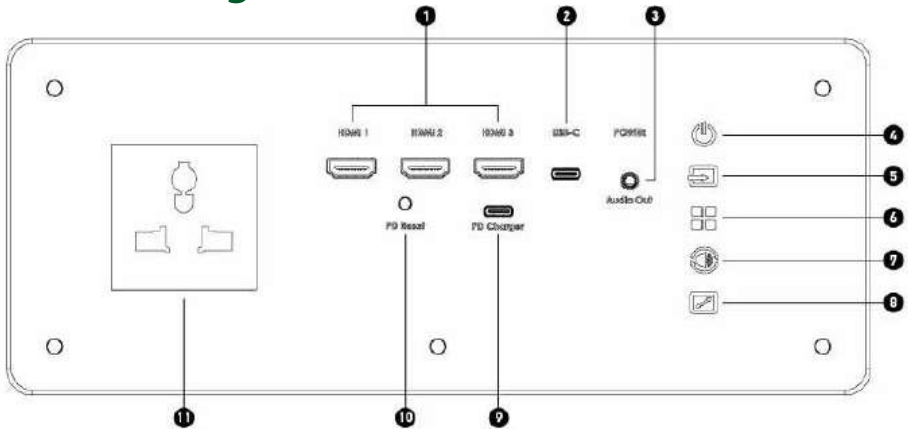
Features

- Support Quad View Function
- Supports 4 Inputs with 3 HDMI Port and 1 Type-C Port
- Supports two Output, HDMI Local and RJ45(HDBaseT)
- Support HDBaseT 100M POC (4K30Hz) extension
- Supports switchable Resolution 720P/1080P/4K30Hz
- Support HDMI 1.4, HDCP 1.4
- Support Power Delivery 3.0 (45W), this function can provide power supply for your device.
- Supports 3.5mm/Phoenix Audio function
- Supports Source auto detect as well as manually switching
- 100V or 240V Power Socket

SPECIFICATIONS

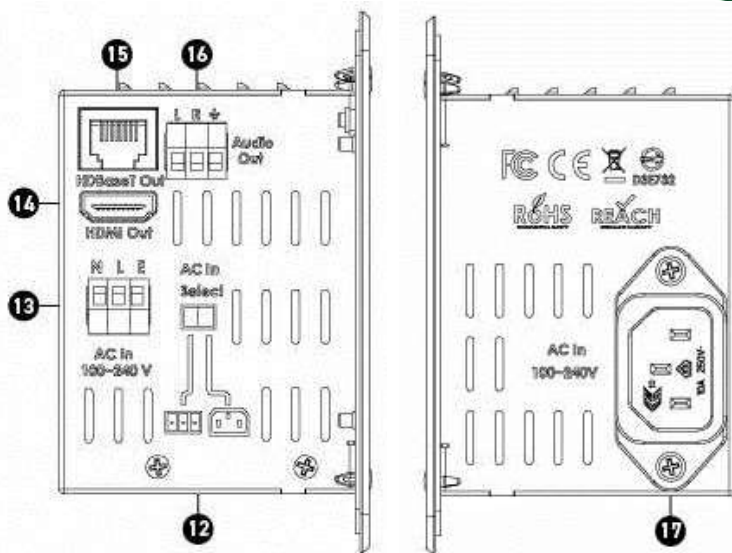
Video Input	HDMI x 3, Type-C
Video output	RJ45(For HDBaseT), HDMI(Local Output)
HDMI Local resolution	480P/720P/1080P@24Hz/30Hz/50Hz/60Hz, up to 4K@30Hz
HDBaseT resolution	480P/720P/1080P@24Hz/30Hz/50Hz/60Hz, up to 4K30Hz
HDBaseT length	4K30Hz 100M,1080P up to 150M
HDBaseT Power	Support POC
HDMI Audio format	Dolby True HD/DTS HD/Dolby Atmos/ Dolby Digital 5.1 / Dolby Digital Plus/ DTS 5.1/LPCM
Audio output Connector	Phoenix 3.81mm/Phone jack 3.5mm
Power Changer	Power Delivery Max.45W
HDMI Max bandwidth	297MHz
HDMI Max baud rate	6Gbps
Output cable length	4K/AWG 30 ≤2m
Transmission distance	4K/Cat5e 100M,1080P Cat5e up to 150M
Power Specification	AC 100~240V; HDBaseT PoC
Operation temperature range	-5 ~ +40°C
Operation humidity range	5 to 85%RH (No Condensation)
Storage temperature	-15 to 55°C
Storage humidity	5 ~95%RH(No Condensation)
Size	270*110*63mm
Weight	2300g

Product Diagram



1. **① HDMI INPUT:**
Support resolution up to 4K30Hz
Connect HDMI cable between this port and source device.
2. **② USB-C INPUT:**
Support resolution up to 4K30Hz
Connect USB-C cable between this port and source device.
3. **③ 3.5mm Audio (CTIA Standard)**
4. **④ Power touch button: ON/OFF**
5. **⑤ Full screen switching**
6. **⑥ Quad-View screen switching**
7. **⑦ Sound audio switching and mute**
Full screen mode: Click for mute function
Quad View mode: Switch source sound and mute

8. ⑧ Output resolution switching:
Supports 720P/1080P/4K30Hz
9. ⑨ Power Delivery 3.0, provide maximum 45W.
10. ⑩ PD Reset:
When PD charging is working, if it detects an overvoltage or short circuit, it will automatically disconnect the protection, the meanwhile, Power Led will flash to alarm, after troubleshooting just click PD reset to resume the function.
11. ⑪ 110V – 240V Power Socket
 - Universal Power Socket for supplying power to user's device.



12. **12 AC IN Select :**

The product provides two types of AC power input, which can be switched according to the user's connection.

13. **13 AC 100~240V Power IN (Phoenix terminal)**

14. **14 HDMI Output:**

Can be directly connected to a monitor via an HDMI cable.

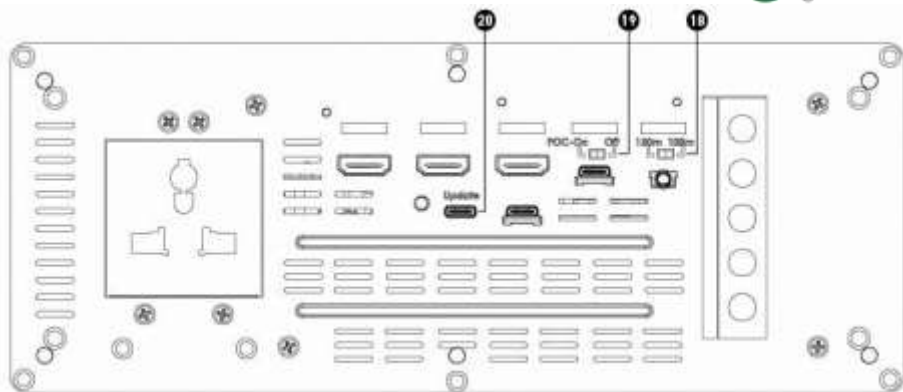
15. **15 HDBaseT Output (RJ45):**

It can be directly connected to the RX through Cat-5E/Cat-6 cables max 100 mrtres, or connected to the devices which comes with HDBaseT built-in.

16. **16 Audio Output Phoenix terminal**

Can be connected to sound amplification equipment

17. **17 AC 100~240V Power IN (Power Cord)**



18. **18** Extension length

Can switch HDBaseT 1080p to extend 150 meters or 4K30Hz 100 meters.

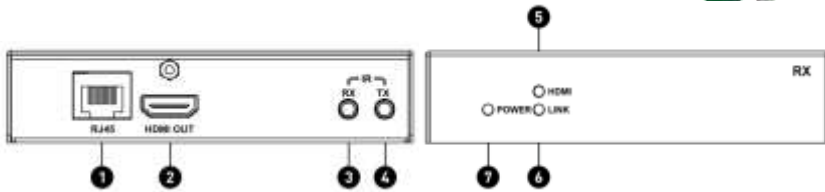
19. **19** POC Switch:

Can turn on or off the POC power supply to RX.

⚠ Attention! Please ensure that it can only use the bundle receiver when in POC mode. If you use other device as receiver, please ensure the POC mode is in “off” status to avoid the equipment to burn down.

Transmitter	Receiver	POC Switch
TAP-AV-1005	TAP-AV-1005 HD Bsaet	ON
	Other POC HDBsaet	OFF
	Other POE HDBsaet	OFF
	Other HDBsaet (NO POC/POE)	OFF
	Projector built-in HDBsaet Port	OFF

20. **20** Type C port for firmware update used.



1. **① RJ45**

It can be directly connected to the host through Cat-5E/Cat-6 cables max 100 meters.

2. **② HDMI OUT**

Can be directly connected to a monitor via an HDMI cable.

3. **③ IR RX Model: TAP-AV-1005**

Receiving IR signal to remote control DisplayPort sink devices via IR Receiver Cable.

4. **④ IR TX**

Transmitting IR signal to remote control DisplayPort source devices via IR Blaster Cable.

5. **⑤ HDMI LED**

When TX is connected to RX via RJ45, the HDMI indicator light will flash when HDMI signal is received.

6. **⑥ LINK LED**

This LED will illuminate when Receiver connect compatible Transmitter and all signal start to transmission.

7. **⑦ POWER LED**

When receiver POC power, this LED will light up.

AC Power Socket Accessories

1. Install AC Power Socket can be connected via bare wire or installed accessory and powered by power code.

