TAP-AV-1003

4K MULTI INPUT CONVERTER BOX

with 60M EXTENDER

GENERAL SAFETY INSTRUCTIONS

When using electronic products, please review the following safety precautions before installing or using the products.

i. Read these instructions.
ii. Keep these instructions.
iii. Follow all instructions.
iv. Heed all warnings.
v. Be sure all cables and equipment are connected to the unit as described in the manual.
vi. Do not use this product near water.
vii. Do not place the product on top of any easily combustible materials such as carpet or fabric.
viii. Do not stacking the product on top of a hot component such as a power amplifier.
ix. Do not use liquid or aerosol cleaners to clean the product. Clean only with a dry cloth and always unplug the power to the device before cleaning.
x. Do not block any ventilation openings. Blocking the airflow could cause damage. Arrange components so that air can flow freely. Ensure that there is adequate ventilation if the product is placed in a stand or cabinet. Install or place the product in a properly ventilated area, away from direct sunlight or any source of heat such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
xi. Power cord must be accessible to allow for the removal of the power from the product.
xii. Only use attachments/accessories specified by the manufacturer.
xiii. To reduce the risk of electric shock and/or damage to this product, never handle or touch this unit or power cord if your hands are wet or damp.
xiv. To avoid electric shock, never stick anything in the slots on the case or remove the cover.

Be careful with electricity:

- **Power outlet:** To prevent electric shock, be sure the electrical plug used on the product power cord matches the electrical outlet used to supply power to the AEGIS product. Use only the power adapter and power connection cables designed for this unit.
- **Power Adaptor:** Be sure the power adaptor is 24V/1.5A, please matching the rating of the power voltage.
- **Lightning:** For protection from lightning or when the product is left unattended for a long period, disconnect it from the power source.
- **ESD:** Handle the product with proper ESD care. Failure to do so can result in failure.

Trademarks *All trademarks in this document are the properties of their respective owners.*

Table of Content

INTRODUCTION

aegis 4 inputs to HDMI Converter Box allows 4 different sources, VGA+3.5mm audio, mini DisplayPort & HDMI signal & USB-C input convert to TX-RJ45 link to RX. This converter box is very convenient for user to have different audio/video devices to connect to TV/Monitor with HDMI port and support distance up to 60M.

This model has source auto-detect function, therefore the user can switch input sources without pressing the button. The HDMI output support resolution up to 4K2K@60Hz. It also support Ethernet pass through function.
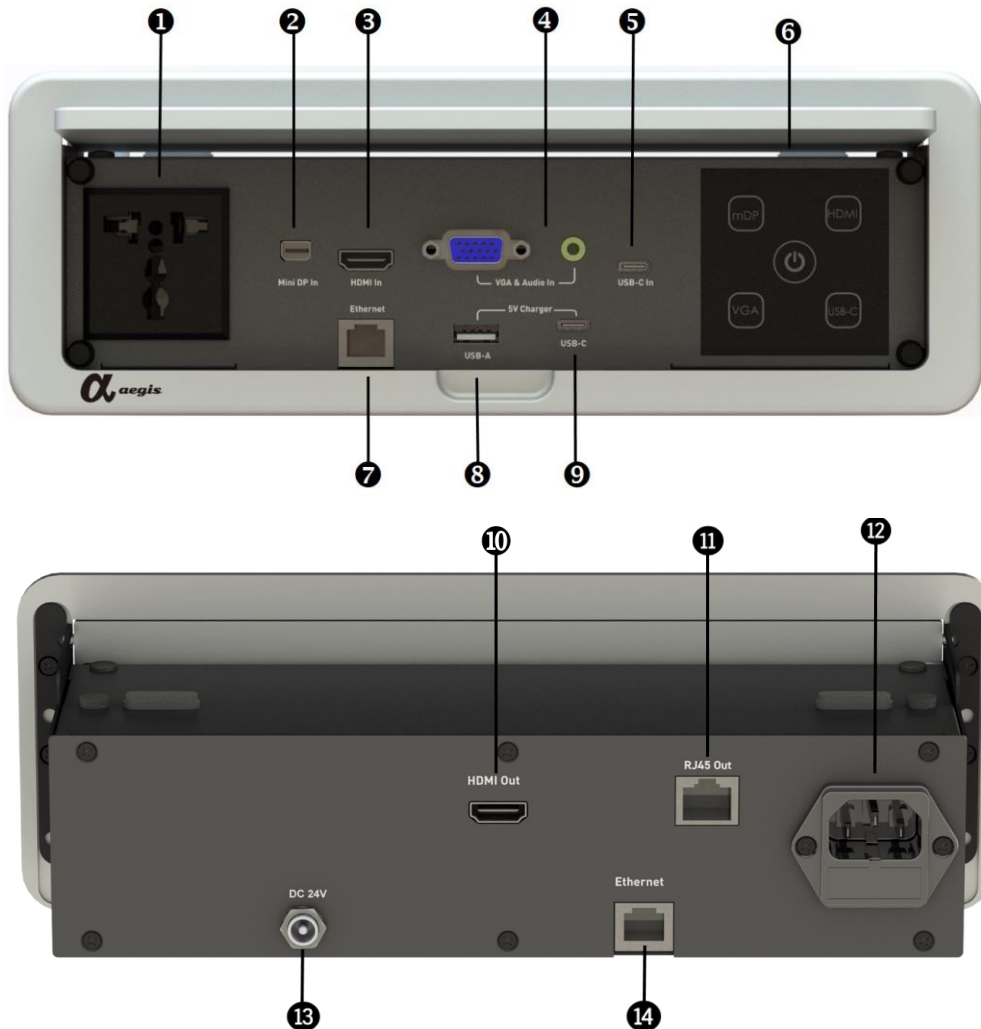
FEATURES

➢ Allow 4 different source, VGA+3.5mm audio, mini DisplayPort, HDMI input and USB-C convert to HDMI via Cat6 cable connect to the Receiver.
➢ Support distance up to 60M.
➢ User is able to charge their devices through USB-A and USB-C(5V2A)
➢ Support Ethernet by-pass function.
➢ Input source auto-detect function
➢ 110V-240V Power Socket (Pass through)
➢ Resolution is up to 4K2K@60Hz.
➢ LED light indication with touch panel.
➢ One HDMI Local out

PACKAGE INCLUDES

➢ Converter box x 1
➢ Extender 60M x 1
➢ Power adapter x 1
➢ User manual x 1
➢ Carton box x 1

PANEL LAYOUT

Main Unit

PANEL DESCRIPTION

1. 110V – 240V Power Socket

Universal Power Socket for supplying power to user's device.

2. Mini DP Input

   Connect mini DP between user's source devices.

3. HDMI Input

Connect HDMI cable between this port and user's source device.

4. VGA+3.5mm with Audio Input

Connect VGA & 3.5mm Audio cable between this port and user source device. (Max. resolution 1080p)

5. USB-C Input

Connect Type-C cable between this port and user sources device.

6. LED Touch Panel

User may switch input sources by manually touch desired input.

Green LED light will indicate current selected input.

Power ON – Green LED indication

Power OFF – Red LED indication

7. Ethernet Input

Connect LAN cable between this port and PC or Laptop of RJ45 port.

8. USB-A Charger

Connect USB-A cable to this port. This port is for charging only. 5V2A

9. USB-C Charger

Connect USB Type-C cable to this port. This port is for charging only.5V2A

10. HDMI Local Out

TAP-AV-1003 supports one HDMI local output for monitoring.

11. RJ45 Out for Extension

Connect RJ45 to Extender 60M with Cat6 cable.

12. Power Socket

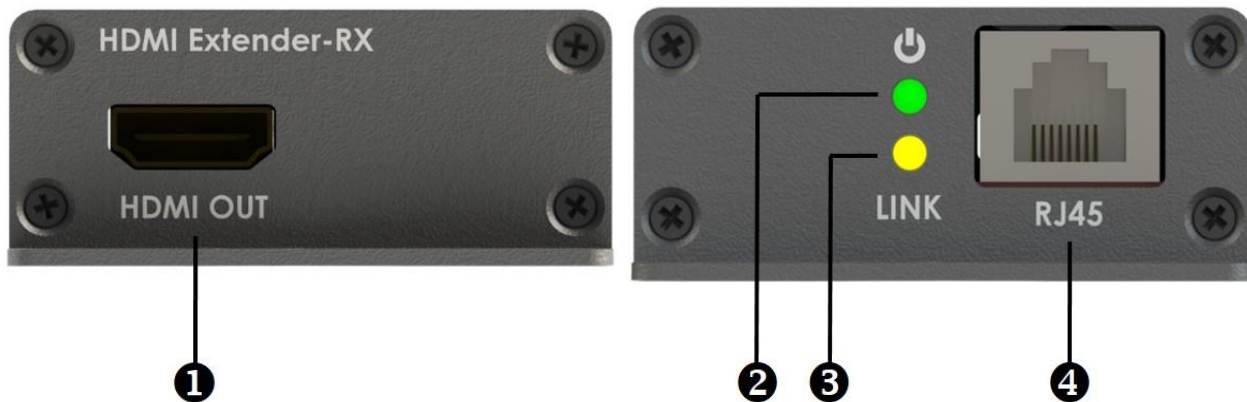Connect to local power with power cord.

13. Power Input

Connect 24V DC power supply to this port

14. Ethernet

Connect this port with LAN cable to a Router, Wifi or Internet access port.

Extender Unit :

PANEL DESCRIPTION

1. HDMI OUT:

Connect HDMI cable to user's monitor or output device.

2. Power LED:

LED Green indicates the power is ON
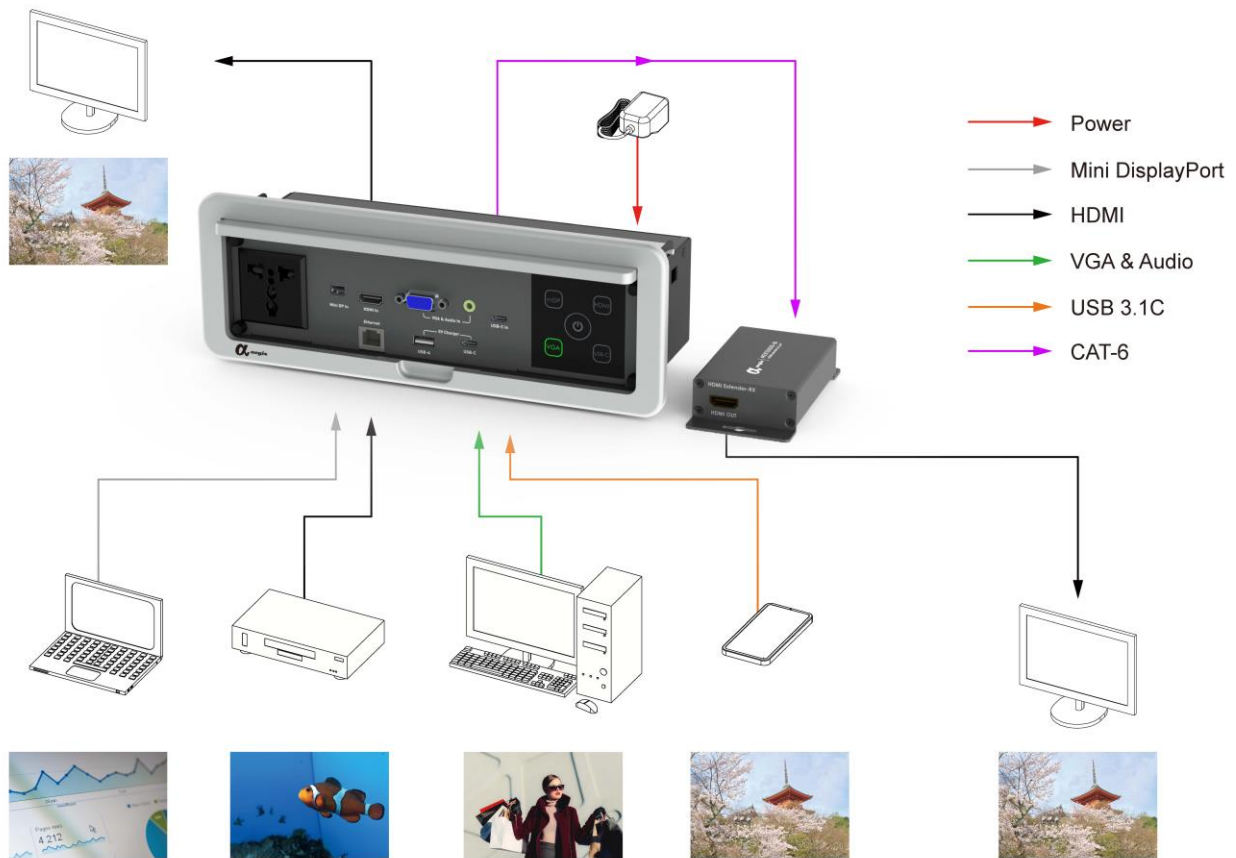
3. LINK:

LED Orange blinks indicate Rx is linked with TAP-AV-1003

LED Orange always on indicates HDMI is sync with input source.

4. RJ45 Input:

Connect Cat6 cable between this port and TAP-AV-1003 RJ45 output port.

CONNECTING AND OPERATING

Legend:
- Power
- Mini DisplayPort
- HDMI
- VGA & Audio
- USB 3.1C
- CAT-6

1. Connect 24V DC power supply to the converter box.
2. Connect one HDMI Cable between the HDMI input port of converter box and source device.
3. Connect one VGA+3.5mm Cable between the VGA+3.5mm input port of converter box and source device.
4. Connect one Type-C Cable between the Type-C input port of converter box and source device.
5. Connect one Mini DisplayPort cable between the Mini DisplayPort input port of converter box and source device.
6. All Sources can be auto-detect, or you can press the switch button for manually operation.
7. Connect Cat6 cable between TAP-AV-1003 RJ45 out port and the RJ45 port of Receiver to extend the distance up to 60M.
8. Connect one HDMI cable between output port of Receiver and Display device.
9. HDMI Local out and Extender HDMI Out, for 4K/60Hz resolution, both output devices are required 4K/60Hz, otherwise output resolution will shows the lowest resolution of user's devices.

SPECIFICATIONS

Model No.	TAP-AV-1003
Model name	4K Multi Input Converter Box with 60M Extender
TAP-AV-1003 Input	HDMI,M/DP,VGA+3.5mm, TYPE-C
TAP-AV-1003 output	RJ45, HDMI(Local Out)
Receiver-Video Input	RJ45
Receiver-Video Output	HDMI
HDMI resolution	480P/720P/1080P@24Hz/30Hz/50Hz/60Hz, up to 4K@60Hz Supports1080P@120Hz,/3D.
HDMI Audio format	Dolby True HD/DTS HD/Dolby Atoms/ Dolby Digital 5.1 / Dolby Digital Plus/ DTS 5.1/LPCM
HDMI Max bandwidth	297MHz
HDMI Max baud rate	6Gbps
HDR Support	YES
Transmission delay	<3ms
Output cable length	4K/AWG 30 ≤2m
Transmission distance	4K /Cat-6@60M
Power adapter Specification	AC 100~240V / DC24V 1.5A
Max operation current	TAP-AV-1003 ≤0.91mA@24V
Operation temperature range	-5 ~ +40℃
Operation humidity range	5 to 85%RH（No Condensation）
Storage temperature	-15 to 55℃
Storage humidity	5 ~95%RH(No Condensation)
Size	Transmitter: 269 x 95.5 x 95.4mm / Receiver: 110 x 55 x 24mm
Weight	Transmitter≈1280g / Receiver≈110g
Accessories	Manual x1, Power Adaptor x1, TAP-AV-1003,TAP-AV-1003-RX

RESOLUTION

HDMI input / TPYE-C input / Mini DP input	VGA input
3840 x 2160	1920 x 1080
2560 x 1600	1600 x 1200
2560 x 1440	1600 x 900
1920 x 1200	1280 x 720
1920 x 1080	1024 x 768
1600 x 1200	800 x 600
1600 x 900	
1280 x 720	
1024 x 768	
800 x 600	

WARRANTY

This warranty shall not apply if any of the following:

A. The product has been damaged by negligence, accident, lightning, water, or mishandling.
B. The product has not been operated in accordance with procedures specified in operating instructions.,
C. The product has been repaired and or altered by other than the manufacturer or authorized service center.
D. The product's original serial number has been modified or removed.
E. External equipment other than supplied by the manufacturer, in the determination of a manufacturer, shall have affected the performance, safety or reliability of the product.
F. Part(s) are no longer available for the product.

If the product needs repair or replacement during the specified warranty period, the product should be shipped back to Manufacturer at Purchaser's expense. Repaired or replaced product shall be returned to Purchaser by standard shipping methods at Manufacturer's discretion. Express shipping will be at the expense of the Purchaser.

No other warranty, express or implied other than Manufacturers shall apply.

The manufacturer does not assume any responsibility for consequential damages, expenses or loss of revenue or property, inconvenience or interruption in operation experienced by the customer due to a malfunction of the purchased equipment. No warranty service performed on any product shall extend the applicable warranty period. This warranty does not cover damage to the equipment during shipping and Manufacturer assumes no responsibility for such damage. This product warranty extends to the original purchaser only and will be null and avoid upon any assignment or transfer.