

USER MANUAL

ACT-DA1004

1 to 4 AHD/CVI/TVI Distribution Amplifier



Our 1 to 4 AHD/CVI/TVI distribution amplifier is one economical device and designed to split one chance AHD/CVI/TVI video source to four displays simultaneously.

Compatible to AHD/CVI/TVI standard and support AHD-H, AHD-M, AHD-L resolution to meet with different requirement.

Specially the device also support 2 video sources to split two displays simultaneously by simple DIP switch. That is multifunction device.

Features

- ▶ Support multi-standard :AHD, TVI, CVI
- ▶ Support multi-format : 1080p25/30, 720p25/30/50/60, 960H, 960P, D1
- ▶ Extend more distance : 1080P 150meter, 720P 300meter
- ▶ Support 1 video source to split to 4 displays or 2 video source to split to 2 displays
- ▶ Design with 3KV ESD design



Please read the Manual before attempting to use this product.
Specifications and appearance are subject to change without notice.



CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN!



TO REDUCE THE RISK OF ELECTRICAL SHOCK,
DO NOT OPEN COVERS (OR BACK).
NO USER SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED
SERVICE PERSONNEL.



Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems).

This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.



Caution

1. Handle this product with care

Avoid any shock or bumping of the product. Improper handling could damage the product.

Do not handle the unit with wet hands. Provide proper ventilation and air circulation and do not use near water.

2. Requires a proper operating environment

This product is not waterproof and is designed for indoor use. The allowable temperature range for operation of this product is between 0°C~40°C / 32°F~104°F.

3. Check the power source voltage

The power source voltage should be within the specified range. (Product must meet the specifications).

4. Objects and liquid entry

Never push objects of any kind into this product as this may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill any kind of liquid on the product.

5. Cleaning

Do not use liquid or aerosol cleaners to clean this unit. Always unplug the power to the device before cleaning.

6. Servicing

Do not attempt to service this product by yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all service to qualified servicing personnel.

1. 1 to 4 AHD/CVI/TVI Distribution Amplifier
2. User manual
3. Power supply : DC12V,1A

Absolutely No Returns will be accepted if any component is missing/damaged.

Diagram of the rear panel of the DC-DC converter. The panel dimensions are 140mm (width) and 26mm (height). The panel features the following ports and components from left to right:

- VIN1 (Input 1)
- VOUT1-1 (Output 1-1)
- VOUT1-2 (Output 1-2)
- DIP :1-4 2-2 (DIP switch)
- LED:PWR (Power LED)
- VIN2 (Input 2)
- VOUT2-1 (Output 2-1)
- VOUT2-2 (Output 2-2)
- VOUT1-3 (Output 1-3)
- VOUT1-4 (Output 1-4)
- DC 12,1A (DC output)

1. Dip switch : 1-4 ----- Split 1 video source to 4 display
 2-2 ----- Split 1 video source to 2 display
2. VIN1 : Video in 1
VIN2 : Video in 2
VOUT 1-4 : Video out 1-4

Technical Specification

Item	1 to 4 AHD/CVI/TVI distribution amplifier ACT-DA1004
Video	
Input	1 or 2
Output	4 or 2*2
Interface	BNC-F
Video Range	1.0Vp.p/75Ω
Impedance	75 ohm
Video bandwidth	36 Mhz
Extend distance	200meter – 300meter
Resolution	1080P 25/30, 720P 25/30/50/60 ,960H, 960P, D1
Operating Temperature	-20°C ~70°C
Relative Humidity	0~95%(non-condensing)
Storage temperature	-40°C ~150°C
Dimension	140mm x 60mm x 26mm
Net Weight	230g



Hardware Installation

1. Check the package if it is integrated
2. If you would match the power supply by yourself .DC 12,1A is recommended strongly
3. Connect video source such as AHD/CVI/TVI camera to VIN-1/2 channel. Support two different video source input via quality coax cable and distance is 400-500meter
4. Connect VOUT1-4 channel to AHD/CVI/TVI DVR or converter ect. via quality coax cable and distance is about 200-300Meter
5. If want to 1 in, 4 output, Switch Dip to 1-4 side. If want to 2 in, 2 out, switch DIP to 2-2 Side.
6. Turn on the power.

Limited Warranty

LIMITED ONE (1) YEAR WARRANTY AND EXCLUSIONS

Manufacturer warrants to the original consumer purchaser and not for the benefit of anyone else that this product at the time of its sale by Manufacturer is free of defects in materials and workmanship under normal and proper use for one (1) year from the purchase date. Manufacturer's only obligation is to correct such defects by repair or replacement, at its option, if within such one (1) year period the product is returned prepaid, with proof of purchase date, and a description of the problem. **This warrant excludes and there is disclaimed liability for labor for removal of this product or reinstallation. This warranty is voided if this product is installed improperly or in an improper environment, overloaded, misused, opened, abused, or altered in any manner, or is not used under normal operating conditions or not in accordance with any labels or instructions. There are no other implied warranties of any kind, including merchantability and fitness or a particular purpose, but if any implied warranty is required by the applicable jurisdiction, the duration of any such implied warrant, including merchantability and fitness of or a particular purpose, is limited to one (1) year. Manufacturer is not liable for incidental, indirect, special, or consequential damages, including without limitation, damage to, or loss of use of, any equipment, loss sales or profits or delay or failure to perform this warranty obligation.** The remedies, provided therein are the exclusive remedies under this warranty, whether based on contract, tort or otherwise.