

HD Active Video Balun Receiver – TVI, CVI, AHD

Model: VAB100R-HD

The product adopts Cat 5/5e/6 UTP cable as transmission medium, It can receive color or mono PAL/NTSC/SECAM video or HD TVI/HD CVI/AHD HD video in real time. It features long transmission distance, good transmission effect, super anti-interference, wide CCTV surveillance system.



Features

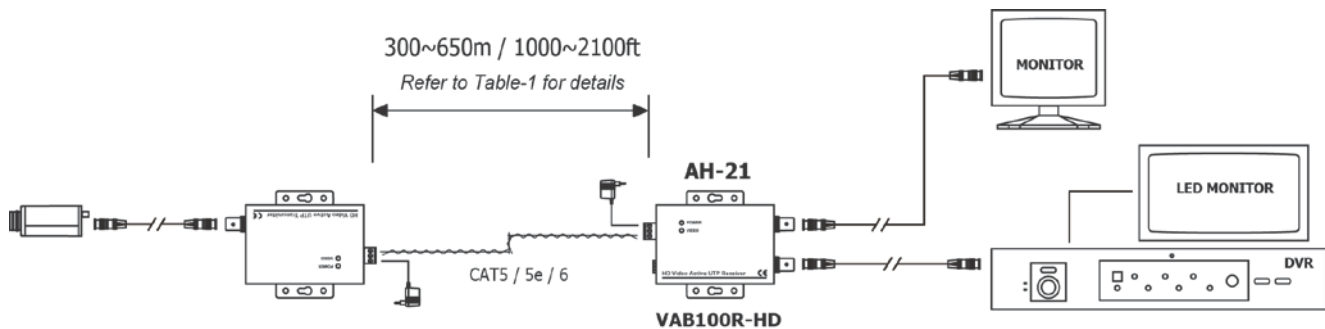
- 12V~36V DC / 9V~24V AC
- Real time transfer of PAL/NTSC/SECAM video, HD TVI/HD CVI/AHD HD video
- Recommendation transmission distance as below:
 - 1) HD TVI 720p/1080p: 300m/1000ft (passive to active)
 - 2) HD CVI 1080p: 330m/1050ft ; HD CVI 720p: 500m/1600ft (passive to active)
 - 3) AHD-L/M 720p/960p: 480m/1550ft; AHD-H 1080p: 450m/1450ft (passive to active)
- Adopts UTP cable for transmission; support DIP adjustment
- Wide range voltage AC/DC power input; strong surge protection and anti-interference
- Support MIT rack

Package Contents

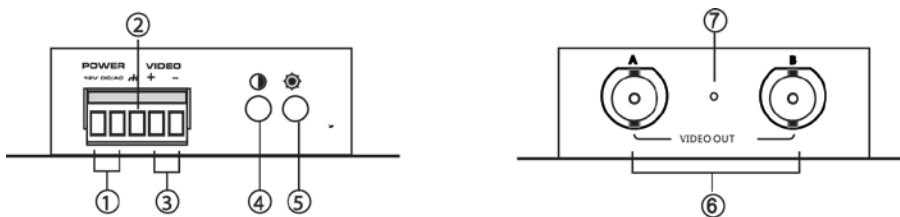
1. One (1) HD Active Video Balun Receiver
2. One (1) User Manual

For any returns, please include all components listed above with original packaging in **Resalable Condition**. **Absolutely No Returns** will be accepted if any component is missing/damaged.

Application Diagram



Panel View



NO.	Component	Description
1	Power Supply Block	Power supply input
2	Green Terminal Block	Grounding
3	Green Terminal Block	For UTP Cable
4	Switches	For Color Adjustment
5	Switches	For Brightness Adjustment
6	BNC-M	Video Output
7	MIT Pole	For MIT Installation

Installation

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1. Make sure any signal source (camera) and/or monitor/DVR are turned off during installation.
2. Connect the camera port and the transmitter's input port (BNC) with coaxial.
3. Plug the monitor port and the receiver's output port (BNC) with coaxial.
4. Connect the UTP cable with the receiver and transmitter (VIDEO + - port).
5. Adjust the DIP adjustment according to the instruction.
6. Check whether installation is good and power the device(s).
7. Power camera, DVR, monitor, etc.

Specification

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Model		VAB100R-HD
Function	Transmission Channel	1 Channel
	Output	2 Channels
	Transmission Distance	Refer to 'Table-1' below
Power	Voltage Range	12V~36V DC or 9V~24V AC
	Power Rate	<1W
Video Transmission	Coaxial Port	Female BNC
	UTP Cable Port	5 pin Port
	Video System	PAL/NTSC/SECAM Video HD TVI / HD CVI / AHD Video
	Signal Bandwidth	0~70MHz
	Anti-interference	>75dB
DIP	DIP Switch	Switch
	Admusement mode	Rotate
Status	Power LED	Red
	Signal LED	Yellow
Protection	Power Port Protection	2K V/1KA Per : IEC61000-4-5
	Coaxial Port Protection	2KV (different mode) ; 4KV (common mode) Per: IEC61000-4-5
	ESD	1a contact discharge Level 2 ; 1b air discharge Level 2 Per : IEC61000-4-2
Environment	Working Temperature	0°C~55°C / 32°F~131°F
	Storage Temperature	-40°C~85°C / -40°F~185°F
	Humidity	0~95%
Physical Properties	Dimensions (L x W x H)	115 x 82 x 22 mm / 4.53 x 8.23 x 0.87 inches
	Case	Iron
	Color	Silver White
	Net Weight	180g / 6.35 oz

*Specifications are subject to change without notice

Table-1**:

Single Source	HD TVI (720P/1080P)	HD CVI (720P)	HD CVI (1080P)	AHD-L/M (720P/960P)	AHD-H (1080P)	Analog Video
Recommended Distance	300m / 950ft	500m / 1600ft	330m / 1050ft	480m / 1550ft	450m / 1450ft	650m / 2100ft

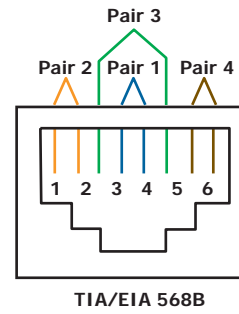
**The test data in Table-1 are required under lab environment. In actual case, there may be some differences due to different cable and environment.

Troubleshooting

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If the equipment fails, follow the methods below to troubleshoot.

- Make sure equipment installation is according to the manual.
- Check if all connections are correct and if RJ45 is conformed with IA/TIA568A or 568B.
- Make sure each UTP cable is according to the related channel.
- Maximum transmission distance depends on the quality of the signal source and the transmission cable. Do not exceed the equipment maximum transmission distance.
- Check whether connection is correct. Charge the device when there is no image.
- Replace device to see if failed device is defective.




Pin	Pair	Color
1	2	Orange / White
2	2	Orange
3	3	Green / White
4	1	Blue
5	1	Blue / White
6	3	Green
7	4	Brown / White
8	4	Brown

Limited Warranty


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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.



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

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This product has been tested for conformance to safety regulations and requirements. However, like all electronic equipment, this product should be used with care. Please read and follow the safety instructions to protect yourself from possible injury and to minimize the risk of damage to the unit.

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~55°C / 32°F~131°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 of 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.

FC CE
MADE IN CHINA