Coaxial Cabling : HD-TVI/AHD/HDCVI Distributor & Video Amplifier

ITEM NO.: CA101HD HD-TVI/AHD/HDCVI Video Amplifier

CA101HD is special designed to boost the HD-TVI/AHD/CVI camera signal. It is perfect solution to boost the HD signal to offer the best quality picture without any video loss under long coax cable run. They are suitable for far distance, different floor in a building or different electrical field.

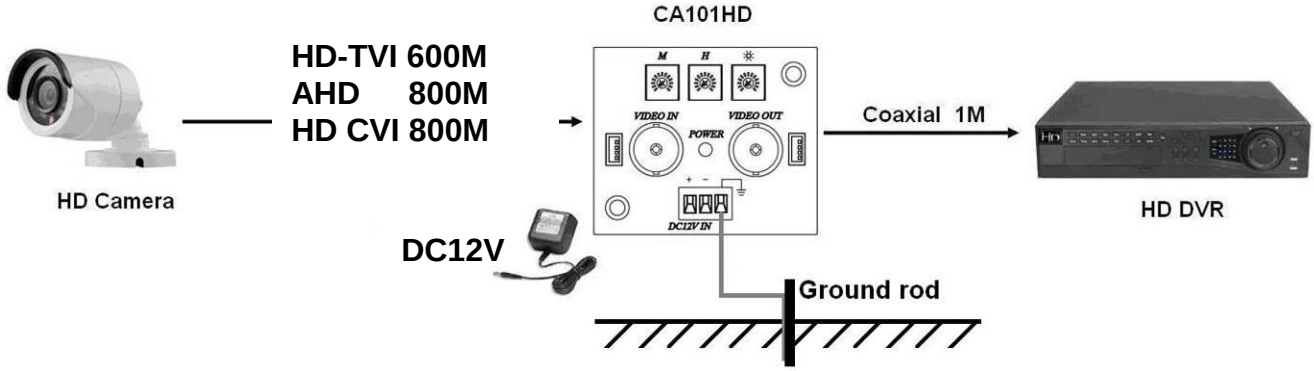
CA101HD HD-TVI/AHD/HDCVI Video Amplifier

Features:

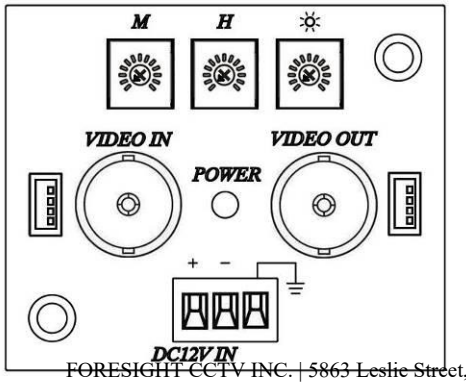
- To boost HDTVI, AHD, HDCVI signal for longer distance over coax cable.
- Support HDTVI/AHD/HDCVI up to 1080p and 4K camera.
- Support HD-TVI 1080p/720p 600M
- Support HDCVI 1080p/720p 800M
- Support AHD 1080p/720p 800M
- Built in middle frequency, high frequency and brightness adjustment.
- Allow to use one power adapter for multiple amplifiers, a jumper is needed to extend power. (Max of 3 units per power adapter)
- Package includes a jumper and power adapter.

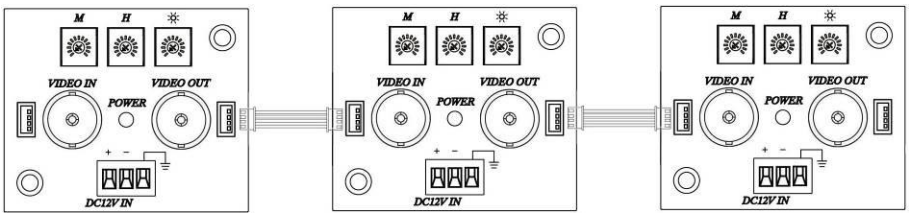
Installation View:

Install at DVR side:



Panel View:



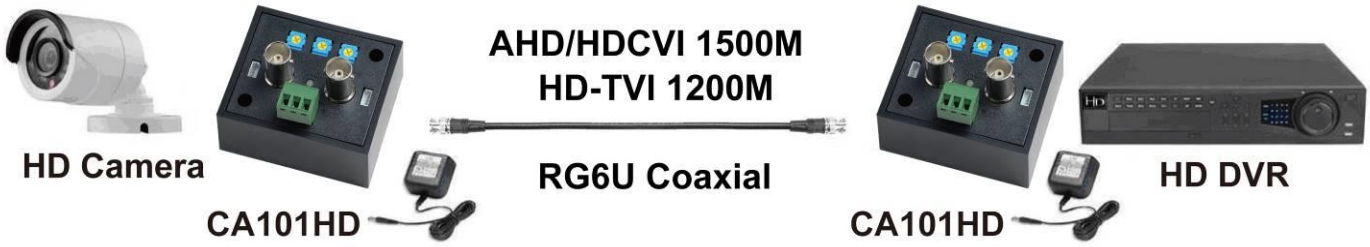


- When using multi amplifier, a jumper is needed to extend power. (Max of 3 units by DC12V/500mA Power adapter

package include)

Installation 2 pieces of CA101HD:

One install CA101HD near camera side, the other one near CA101HD at DVR side



LED Indication:

GREEN	
ON	Power ON
OFF	Power OFF

Adjustment Switch:

M: Middle frequency gain

H: High frequency gain

Brightness

Cable & Transmission Distance：

Link cable recommend use high quality 75ohm coaxial RG59/RG6U cable. The transmission distance will be affected by different quality of Camera, DVR and BNC connector, cable, installation…etc.

Transmission Distance Chart:

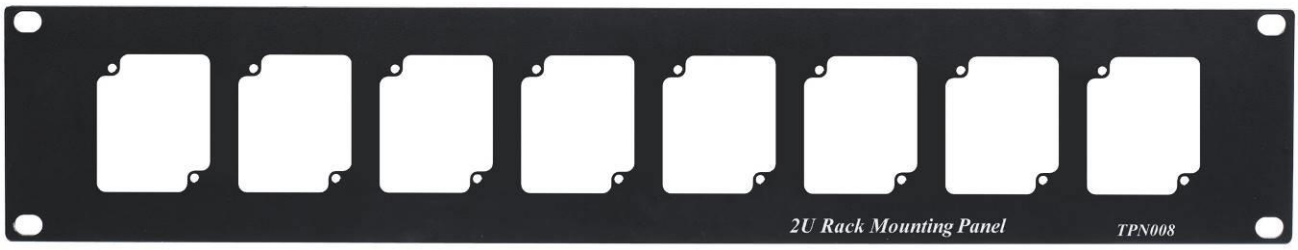
HD-TVI	AHD	HDCVI
1080P 600M 5MP 400M	1080 800M 4MP 800M	1080P 800M 4K 400M

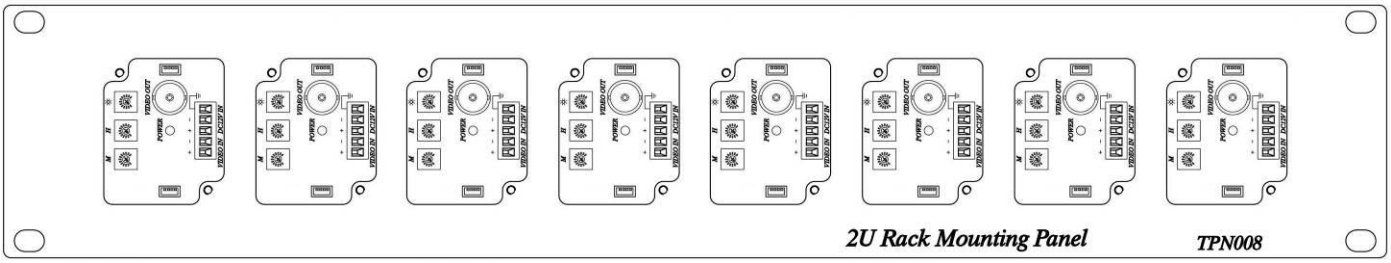
Option Model For CA101HD:

ITEM NO: TPN008 2U RACK MOUNTING PANEL

Features:

- Ideal for security monitoring stations or video distribution hubs.
- Standard 19-inch (482mm) wide, 3.5-inch (88mm) 2U high.
- Supports up to 8 pieces of CA101HD.
- This heavy-gauge panel is designed to withstand the mechanical load of multiple cables.





- When using multi amplifier 8 pcs to fit in TPN008 rack, recommend to use attached jumper cable to extend power by one power adapter. (Recommend use DC12V 1.5Amp power adapter to support 8 pieces CA101HD)

Trouble Shooting：

1. Recommend the shortest connection distance over 150M to avoid too strong signal amplification.

2. If the middle & high frequency/sharpness gain adjustment are too strong or too weak that will cause video distortion, color change or disappear, please do properly adjustment based on different distance.

3. The unit built in transient protection, please make sure to make the proper grounding.

4. When using chainable power for CA101HD, the max. could connect up to 10 units; make sure the power adapter used must be bigger than the total power consumption.

Specifications:

ITEM NO.	CA101HD
Video Format	HD-TVI/AHD/HDCVI
Video Input	BNC 75 Ohms
Video Output	BNC 75 Ohms
Distance	AHD / HDCVI：800M@1080p, HD-TVI：600M @1080p
Power Supply	DC12V 500mA
Power Consumption	150mA (Max)
Temperature	Operation: 0 to 55℃, Storage: -20 to 85℃, Humidity: up to 95%
Dimensions mm	57.8 * 49.2 * 41.7
Weight g	70

RoHS CE FC

Rev. B