

# Multiple Video Channel over one Coax Solution with High Frequency Interference Blocker (RF Modulator)

ITEM NO.: CHB001HM

CHB001HM is special design for block the interference from electromagnetic wave, high voltage electricity, wireless station, elevators, heavy power on industry,...etc. It is built in RF modulator technology; allow working with RF CATV splitter for multiple channel transmission over one existing coax cable or RF CATV amplifier for longer distance.

## Features:

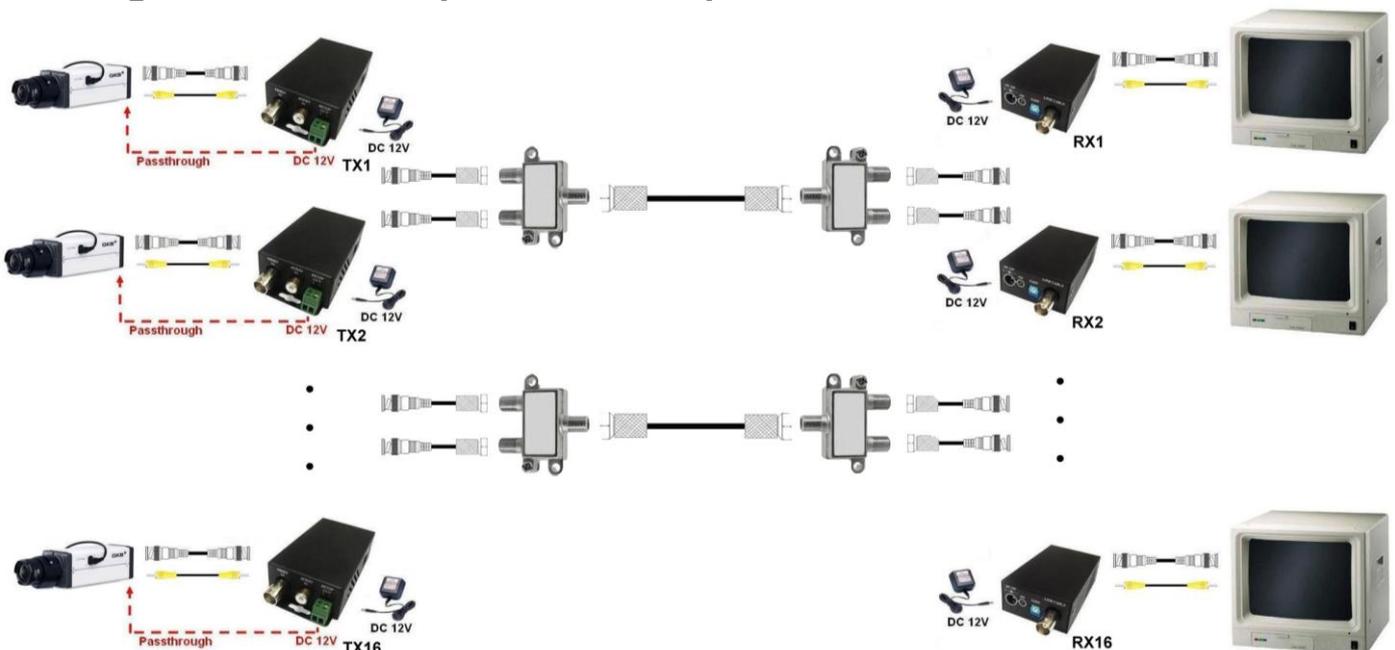
- Perfect to eliminate high frequency Interference on NTSC/PAL Video.
- Applications for elevator, high voltage, heavy power interference.
- Video & Audio over one Coax Cable.
- Working distance: 400 meters (RG59)
- CHB001HMT Transmitter built in power output for camera use.
- CHB001HMR Receiver built in video gain control.
- Built in dip switch to setup up to 16 channels.
- Working with RF CATV splitter to connect multiple video channels over one coax cable.
- Allow to work with RF CATV amplifier for longer distance.
- Package includes transmitter and receiver, two power adapters.

## Installation View:

### High Frequency Interference Blocker Solution

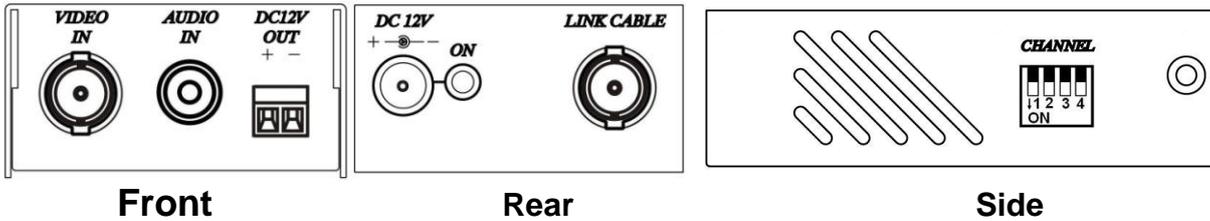


### Working with RF CATV Splitter for multiple channel over one Coax Solution



## Panel View:

### CHB001HMT

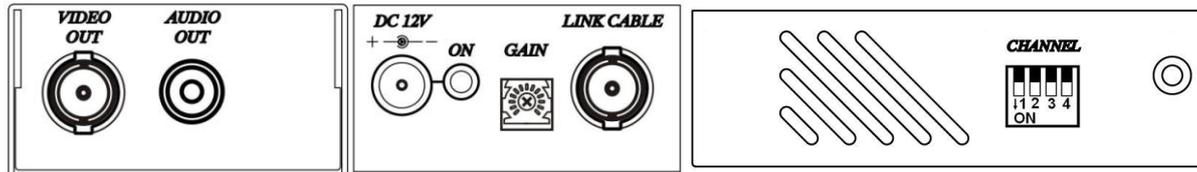


Front

Rear

Side

### CHB001HMR



Front

Rear

Side

## LED Indication :

**GREEN** Power on/off

## Rotary Switch Channel Selection :

| 1234 |       | 1234 |        |
|------|-------|------|--------|
| ↑↑↑↑ | CH. 1 | ↑↑↑↓ | CH. 9  |
| ↓↑↑↑ | CH. 2 | ↓↑↑↓ | CH. 10 |
| ↑↓↑↑ | CH. 3 | ↑↓↑↓ | CH. 11 |
| ↓↓↑↑ | CH. 4 | ↓↓↑↓ | CH. 12 |
| ↑↑↓↑ | CH. 5 | ↑↑↓↓ | CH. 13 |
| ↓↑↓↑ | CH. 6 | ↓↑↓↓ | CH. 14 |
| ↑↓↓↑ | CH. 7 | ↑↓↓↓ | CH. 15 |
| ↓↓↓↑ | CH. 8 | ↓↓↓↓ | CH. 16 |

## Gain Adjustment :

The transmitter and receiver must setup at same channel, then adjust the gain on the receiver for the best quality picture.

## Cable and Transmission :

Link cable recommend to use high quality 75Ω Coaxial Cable and BNC connector, low quality coaxial cable and channel selection may case signal loss and effect transmission distance and reliability. When Channel setup at CH.1, the working distance up to 400M, When Channel set up at CH.16 the max distance up to 200M.

## Caution :

If using same power adapter from transmitter to camera use, the power adapter current used at least follow camera request current plus 250mA.

## Specification:

| ITEM NO.             | CHB001HMT   | CHB001HMR     |
|----------------------|---|---------------|
| Video Format         | NTSC / PAL  |               |
| Video Input / Output | BNC 75Ω   |               |
| Audio Input / Output | RCA 10KΩ  |               |
| Working Range        | 450 meters for RG59 CABLE, 600meters for RG6U cable |               |
| Power Input          | DC 9-15V  |               |
| Power Consumption    | 2.5W  |               |
| Power Supply         | DC 12V 500mA  |               |
| Dimensions mm        | 49 * 111 * 25                                       | 49 * 111 * 25 |
| Weight g             | 140   | 145           |



Rev. A