



HDMI Extender Series

# User Manual

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Model : HE05C

HDMI over Coaxial 500M Extender (Digital RF DVB-T)



## Introduction

HE05C is a point-to-point HDMI extender that applies DVB-T RF modulator and can use an RG59/ RG6 coaxial cable to send an HDMI signal for up to 500M. The extender can also work with either a splitter to distribute one HDMI signal to multiple displays or a combiner to integrate various HDMI input/ output sources for channel selection. It can widely apply in CCTV, CATV, large outdoor screen, and shopping mall advertisements.

## Features

- Resolution up to 1080p@60Hz.
- Signal extension up to 500M over a coaxial cable.
- Built-in local loop out port for an extra HDMI display at TX side.
- Supports up to 99 channel for both TX & RX with frequency range 142-950MHz.
- Supports HDMI distribution and matrix via CATV RF splitter/ DTV Mixer.
- Built-in LCD display at TX & RX for channel setting.
- Managed via front panel buttons and IR remote.

## Installation View

One TX to multiple RX connection (with splitter)

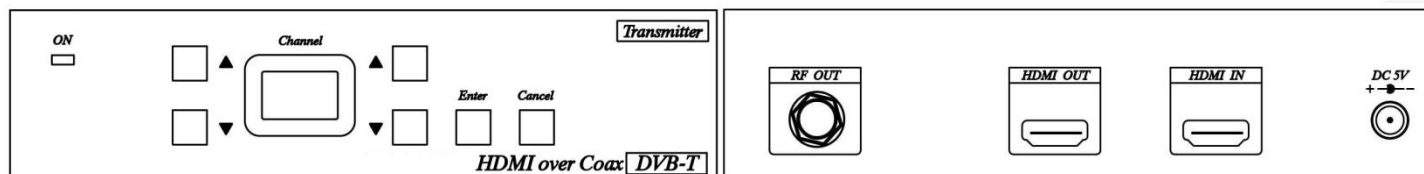


Multiple TX to multiple RX connection (with splitter)

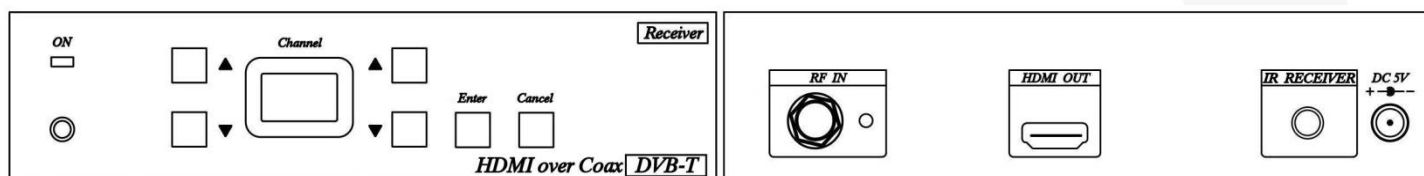


## Panel View

HE05CT



HE05CR



## LED Indication

HE05CT LED

Green ON/OFF Power on/off

HE05CR LED

Green ON/OFF Power on/off

Blue ON Video signal received

Blue Flash Video signal not stable

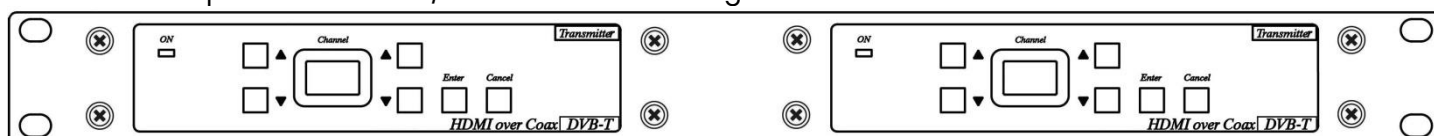
## Button Function

▲ ▼	single digit channel selecting key
▲ ▼	two-digit channel selecting Key
ENTER	channel selection confirm
CANCEL	channel selection cancel

## Option Model

### TPN002U 1U 19" Rack Mounting Panel

Allow to fit two pieces of HE05CT/CR in 1U Rack Mounting Panel



## IR01 Remote Controller

When using multiple source with HE05CT transmitter, HE05CR receiver input source selection could be using optional IR remote controller for easy operation.

### Remote Control Function



Initial the first time using the remote control or after change battery of remote control, both need setting the IR remote controller ID.

To setting the Remote ID, Press and hold power button, then press button 0 to complete the setting. + (for example)

### Remote Controller Key Function

- Channel Switching Key ,
- 0~9 Channel input Key
- ENTER Channel Selecting confirm key
- ,A, B,MENU, # , \* , , Reserve( no function)

## Cable and Transmission

Recommend to use use high quality 75Ω Coaxial Cable and F connector, low quality coaxial cable and channel selection may case signal loss and effect transmission distance and reliability.

Point to Point transmission distance up to 500M (Max) ,the channel selection must be 0-12 channel or 81-94 channel.

For multiple TX, RX working distance around 200M and must work with CATV splitter/amplifier or DTV mixer.

## Package Include

- HE05CT HDMI Transmitter x 1 pcs
- HE05CR HDMI Receiver x 1 pcs
- Mounting Screw pack x 1 bags
- Power Adapter x 2 pcs

## Specification

ITEM NO.	HE05CT	HE05CR
Support		
Compliance	HDMI 1.3, HDCP 1.4, DVI 1.0	
Max. Video Resolution	1080p@60Hz	
Max. Transmission Distance	500M over Coaxial Cable	
IR Receiver	38 KHz	
Ports & Interfaces		
Video Input	1 x HDMI Type A	1 x 75Ω BNC
Video Output	1 x 75Ω BNC	1 x HDMI Type A
Video Loop-out	1 x HDMI Type A	
IR Interface		1 x 3.5mm Phone Jack
Power		
Power Supply	DC 5V 1A	DC 5V 1A
Power Consumption	750mA	600mA
Ambient Temperature		
Operation	0 to 70°C	
Storage	-40 to 90°C	
Humidity	up to 85%	
Physical Characteristics		
Dimensions	167 x 110.5 x 40mm	167 x 110.5 x 40mm
Weight	450g	450g