HDMI over Coax Extender

ITEM NO.: HE05C HDMI over Coax Extender 500M

HDMI Extender Over Coax extends an HDMI signal over a point-to-point coax cable up to 500M with RG59/RG6 coaxial cabling.   The HDMI Extender Over Coax allows the capability to split to multiple receivers, or combine multiple transmitters set to different channels, using simple CATV splitters or combiners. It could be widely applied in CCTV, CATV, outer large screen, shopping mall advertisement, media education or replace new HDMI devices instead of old analog system over existing coaxial cable.

Features:

- Extend HDMI signal over coax up to 500M.
- Send HDMI signal over DVB-T RF Modulator technology
- Support point to point and multiple source devices to multi-display connections via CATV RF splitter/DTV Mixer.
- Support HDMI matrix solution over existing coax cable.
- Video encoding: H.264, support up to 1080P@30fps. Audio encoding: MPEG2
- Transmission distance up to 500m over coax cable.
- Support resolution up to 1080p@60Hz.
- Support up to 99 channel for both of TX/RX with frequency range 142-950Mhz
- TX/RX built in LCD display with edit channel setting.
- HE05CT transmitter built in HDMI loop out, channel ID setting by front panel button.
- HE05CR receiver input source selection could be from front panel button or optional IR remote controller.
- HDMI 1.3, HDCP 1.4, DVI 1.0 compliant.
- Applications for family cable TV transmission, hotels, hospitals, schools, video conference room, supermarket, malls, shops where need meeting video distribution, digital signage, student training broadcasting, DVD Blue Ray players video distribution, security monitoring system..etc.
- HE05CR Option Model:
  IR01: IR remote controller , IR-CR01 IR receiver cable
  TPN002U: 1U 19" Rack Mounting Panel (Allow fix two unit of HE05CT/HE05CR)

Installation View:

Point to Point direction connection

DVD
SET-TOP BOX
DVR

HE05CT

Coax 500M

HE05CR

TV

Local Output

One TX to multiple RX connection (with splitter)

DVD
SET-TOP BOX

HE05CT

CATV Splitter/DTV mixer

HE05CR

TV

Local output

Max99

Multiple TX to multiple RX connection (with splitter)

DVD
SET-TOP BOX

HE05CT

Coax

CATV Splitter/DTV mixer

HE05CR

TV

Local output

Max99

Max99

Max99

Max99

Panel View:

HE05CT

ON | Channel | Enter | Cancel | *Transmitter*

HDMI over Coax DVB-T

RF OUT | HDMI OUT | HDMI IN | DC 5V +—·—

HE05CR

ON | Channel | Enter | Cancel | *Receiver*

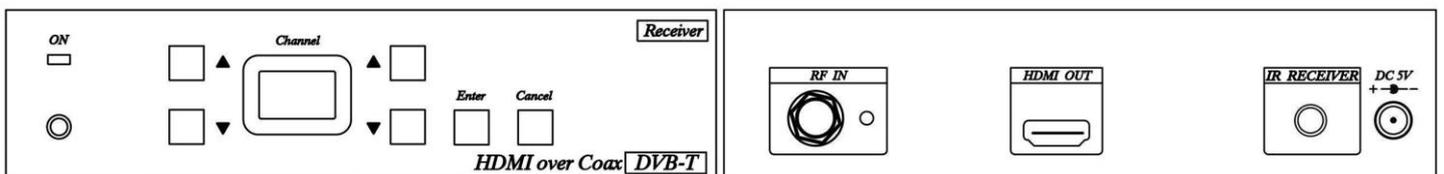HDMI over Coax DVB-T

RF IN | HDMI OUT | IR RECEIVER | DC 5V +—·—
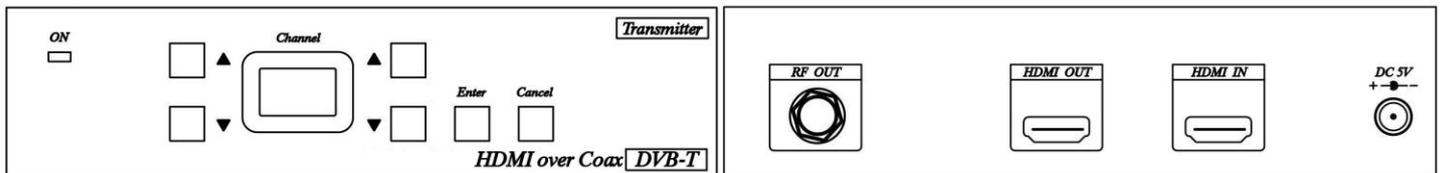
LED Indication:

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
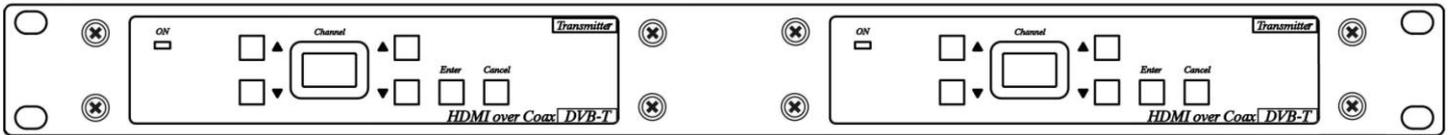
▲、▼   two-digital channel selecting Key

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. ⏻ + ⓪ .(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：

1. 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.

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

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

HE05C Package Include:
HE05CT HDM Transmitter x 1 pcs
HE01CR HDMI Receiver x 1 pcs
Mounting Screw pack x 1 bags
Power Adapter x 2 pcs

Specification:

ITEM NO.	HE05CT	HE05CR
Video Support	480i/p, 576i/p, 720p, 1080i/p	
Video Input	HDMI Type A x 1	X
Video loop Output	HDMI Type A x 1	X
Video Output	X	HDMI Type A x 1
Link Interface	F Connector (RF)　x 1	
Function button	Tact Switch x 6	
Channel Indication	7 step LED display x 2	
LED	LED (Green) x 1	LED (Green) x 1 、LED(Blue) x 1
IR Connector	X	3.5 mm connector x 1
IR Receiver	X	38 KHz
Power Supply	DC 5V / 1A	
Power Consumption	750mA (Max)	600mA (Max)
Temperature	Operation: 0 to 70℃, Storage: -40 to 90℃, Humidity: up to 85%	
Dimensions mm	167 x 110.5 x 40	
Weight　　g	450	

RoHS CE FC C

Rev. A