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The Vanco 280567 HDMI over Single Coax Cable Extender with IR extends high definition video and audio signals and IR, at a distance of up to 100m/328ft over a single RG6 coax cable. With only one cost effective Coax cable, high definition sources with HDMI outputs can be connected to high definition displays with HDMI inputs over long distances. Deep color video, and HDCP is supported and compatible with the 280567. In addition, the 280567 is also equipped with wideband IR pass-through which allows for controlling the source at the display location.

The 280567 includes two units: transmitting unit (280567-TX) and receiving unit (280567-RX). The transmitting unit is used to capture the HDMI input with IR signals and carries the signals via one cost effective Coax cable. The receiving unit is responsible for equalizing the transmitted HDMI signal and reconstructing IR and serial control signals. The 280567 offers the most convenient solution for HDMI extension over a single coax with long distance capability, and is a great solution for any application which already has coax cables installed within the walls.

HDMI® over Single Coax Cable Extender

Part # 280567

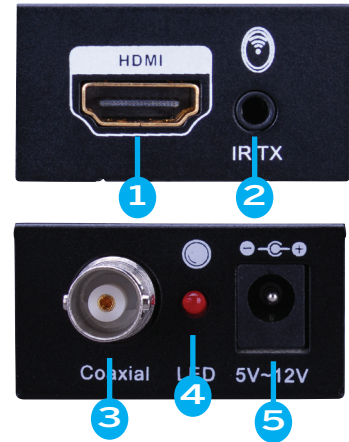
- Allows HDMI Audio/Video and IR signals to be transmitted over a single coax cable
- Wideband IR system that allows for controlling the source at the display location (1 IR RX and 1 IR TX included)
- Transmission Range: Extends 1080p resolution up to 100m/328ft over a single RG6 Coax cable; Extends 1080p resolution up to 60m/196ft over a single RG59 Coax cable
- Works with HDMI and HDCP compliant devices
- Supports up to 1080p High Definition resolution
- Compact design for an easy and flexible installation
- Power Supply: DC 5V
- Dimensions: 3.2" W x .98" H x 1.6" D

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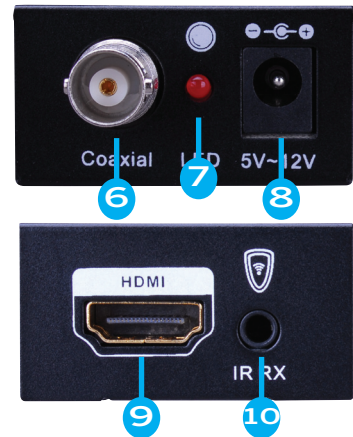
SPECIFICATIONS

HDCP Compliance	Yes
Video Bandwidth	Single-link 225Mhz [3Gbps]
Video Support	720p/1080i/1080p @60
Audio Support	PCM (up to 7.1 ch) 48KHz
Transmission Range	HD [1080p 36-bit color] – up to 100m [328ft]
HDMI Equalization	Auto
Input TMDs Signal	3.3 volts
Input DDC Signal.....	5.0 volts/P-P
ESD Protection: Human Body model.....	+/- 8 kV (air-gap discharge)
+/- 4 kV (contact discharge)	
PCB stack-up	4 layouts
Input	(TX) 1xHDMI; (RX) 1xBNC + 1x3.5mm
Output.....	(TX) 1xBNC + 1x3.5mm; (RX) 1xHDMI
HDMI connector	Type A 19 pin female
BNC connector	BNC Jack
3.5mm connector	(TX and RX) IR Receiver/IR Blaster
MECHANICAL SPECS	
Housing	Metal enclosure
Power Supply	(2) 5V1A DC
Power consumption.....	2 watts
Operation temperature.....	32~104 °F
Storage temperature.....	-4 ~140 °F
Relative humidity	20~90 % RH (no condensation)

Transmitting Unit



Receiving Unit



PANEL DESCRIPTIONS

1. HDMI: Connect the HDMI source with an HDMI cable.
2. IR TX: Connect included IR TX blaster and assign to corresponding source for source control
3. Coaxial: Connect the coaxial cable to the HDMI Receiver
4. POWER LED: This red LED illuminates when the device is connected to the power supply
5. DC IN: Plug the 5V-12V DC power supply into the unit
6. Coaxial: Connect to the HDMI Transmitter with coaxial cable
7. POWER LED: This red LED illuminate when the device is connected with power supply
8. DC IN: Plug the 5V-12V DC power supply into the unit
9. HDMI OUT: Connect the HDMI display with an HDMI cable
10. IR RX: Connect included IR RX receiver to control source at the display