



**VIDEO WALL VIDEO PROCESSORS MULTIVIEWERS  
DIGITAL SIGNAGE EXTENDERS CONTROL  
CENTERS SCALERS WIRELESS**



## HDM-C6IP-SET-V2

HDMI LAN Extender  
with IR up to 120m  
over Single CAT 6



## INTRODUCTION

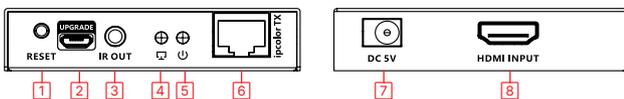
The HDM-C6IP-SET-V2 HDMI Extender Kit enables Full HD transmission over long distances, using advanced network extension technology for high-performance professional applications. This solution includes both a transmitter and receiver, designed to distribute 1080p HDMI video and audio up to 120 meters (394 ft) using a single Cat6 cable. Suitable for boardrooms, classrooms, digital signage, and home theaters, this kit offers reliable HDMI extension with additional IR pass through for convenient remote control of your source device from the display location. The system supports one-to-one, one-to-many, via 100Mbps Switch or cascade switch topologies, allowing flexible deployment in diverse environments.

## KEY FEATURES

- High-definition and low-latency transmission.
- Supports up to 1920x1200@60Hz resolution, backward compatible.
- Compatible with Cat5/5e/6 or above network cables, transmission distance of Cat6 cable is 120 meters.
- Supports one-to-one or one-to-many connections through 100Mbps switch.
- Supports IR passback (20~60kHz).
- Firmware can be upgraded through Micro USB.

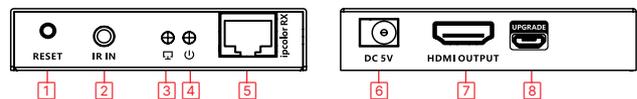
## PANEL DESCRIPTION

### Transmitter • HDM-C6IP-S-V2



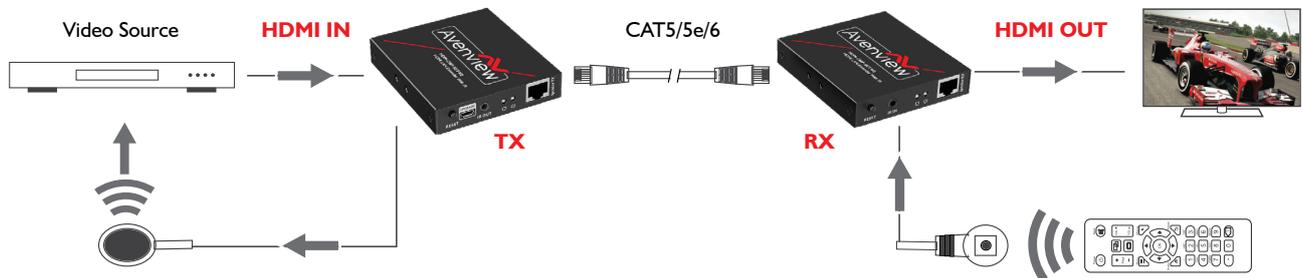
- |                             |   |
|-----------------------------|---|
| <b>1 Reset</b>              | Restart the device  |
| <b>2 Micro USB port</b>     | Used for firmware upgrading   |
| <b>3 IR output</b>          | Connect with IR blaster extension cable   |
| <b>4 Network link light</b> | 1) Light off: No Network connection<br>2) Steady on: Network connection is normal   |
| <b>5 Power light</b>        | 1) Steady on: When the product is powered on, there is no HDMI data transmission<br>2) Flash: The HDMI data is transmitting |
| <b>6 RJ45 signal output</b> | Connect with the network cable  |
| <b>7 Power input</b>        | Connect with DC5V/0.5A power adapter  |
| <b>8 HDMI input</b>         | Connect with the source device  |

### Receiver • HDM-C6IP-R-V2

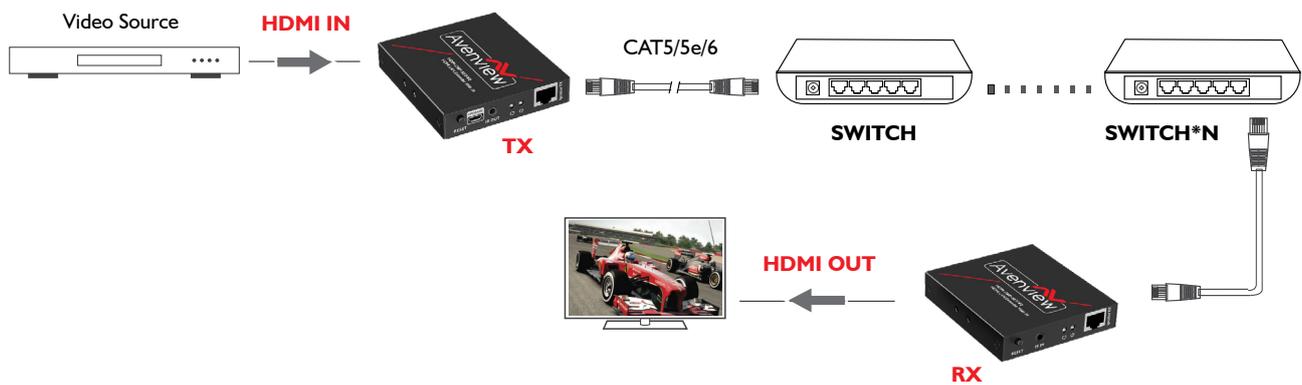


- |                             |   |
|-----------------------------|---|
| <b>1 Reset</b>              | Restart the device  |
| <b>2 IR input</b>           | Connect with IR receiver extension cable  |
| <b>3 Network link light</b> | 1) Light off: No Network connection<br>2) Steady on: Network connection is normal   |
| <b>4 Power light</b>        | 1) Steady on: When the product is powered on, there is no HDMI data transmission<br>2) Flash: The HDMI data is transmitting |
| <b>5 RJ45 signal input</b>  | Connect with the network cable  |
| <b>6 Power input</b>        | Connect with DC5V/0.5A power adapter  |
| <b>7 HDMI output</b>        | Connect with HDMI display device  |
| <b>8 Micro USB port</b>     | Used for firmware upgrading   |

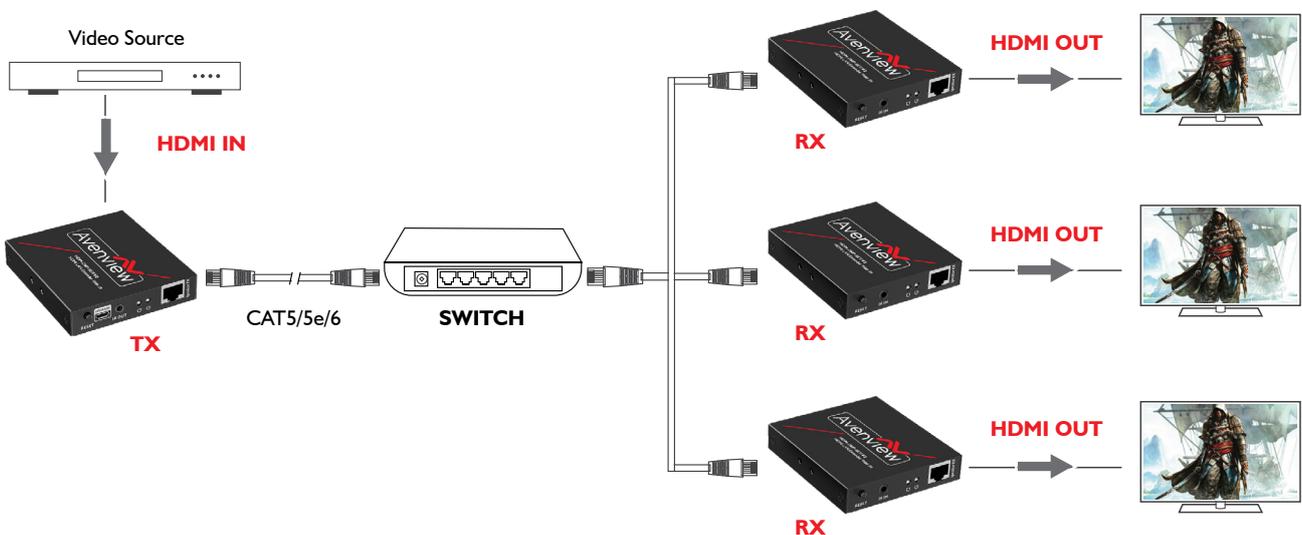
## Application Diagram 1 POINT TO POINT CONNECTION



## Application Diagram 2 LAN/SWITCH CASCADE CONNECTION



## Application Diagram 3 ONE-TO-MANY CONNECTION



# SPECIFICATION



Item	Sender	Receiver
<b>Video</b>		
Input interface	1x HDMI	1x RJ45
Output interface	1x RJ45	1x HDMI
HDMI length	≤ 5m	≤ 5m
Maximum transfer rate	4.96Gbps	
Compatibility	HDMI 1.3 HDCP 1.4	
Resolutions	1080P@24/25/30/50/60Hz, 720P@50/60Hz, 576P@60Hz, 480P@60Hz, 1920x1200, 1680x1050, 1600x900, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600	
Connection types	One-to-one connection One-to-many connection Switch cascading	
Transmission distance	CAT5 80m / CAT5E 100m / CAT6 120m	
Transmission latency	80~130ms	
<b>Audio signal</b>		
Input interface	1x HDMI	1x RJ45
Output interface	1x RJ45	1x HDMI
HDMI output	LPCM 2.0	
<b>Command Signal</b>		
IR interface	1x 3.5mm IR OUT	1x 3.5mm IR IN
IR receiving range	≤ 5m	
IR frequency	20kHz~60kHz	
<b>Power</b>		
Power Supply	DC 5V/0.5A	DC 5V/0.5A
Power Consumption	TX ≤ 2W	RX ≤ 1.5W
<b>Operating Environment</b>		
Working temperature	- 20°C~60°C	
Storage temperature	- 30°C~70°C	
Humidity	0~90%RH (no condensation)	
<b>Physical Properties</b>		
Housing	Iron	
Weight	150g	145g
Color	Black	
Dimensions	85(L)*76(W)*16.5(H)mm	

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