

## VE810

HDMI/IR Cat 5 Extender (1080p@40m)



The VE810 HDMI Extender extends your HDMI display up to 60 m from your HDMI source device using two Cat 5e cables. In addition, VE810 is equipped with IR signaling pass-through which allows the IR channel to control from the remote to local unit, to control the HDMI source, or from the local to remote unit, to control the display device.

For flexibility and convenience, the VE810 setup requires only one power adapter for both units. The VE810R remote unit will function without the need of an additional power adapter because it will be powered by the VE810 local unit.



### Features

- Connects the local and the remote units via Cat 5e cables
- HDMI (3D, Deep Color); HDCP compliant
- Superior video quality – up 1920 x 1080 at distance up to 40 m
- Bi- directional IR channel for IR signal control on remote unit; IR transmission is processed one direction at a time
- 8 segment equalization adjustment switch optimizes display quality
- Supports Dolby True HD and DTS HD Master Audio
- DDC compatible
- Compatible with all ATEN HDMI switches and splitters
- Non-Powered (only require one power adapter)
- Rack-mountable

## Specifications

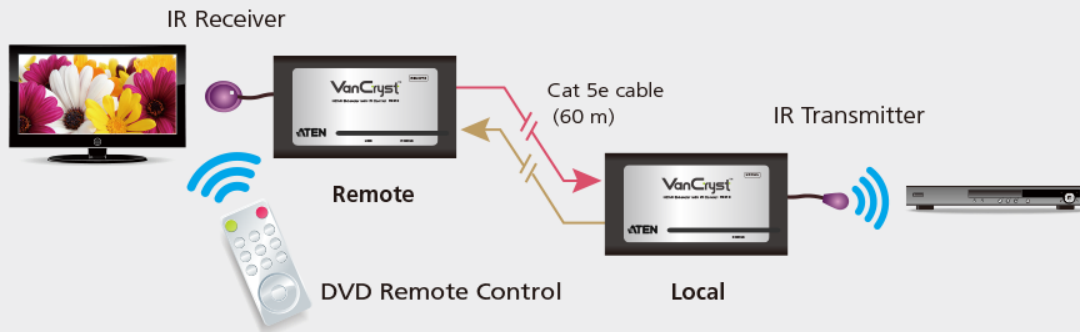
| Function                    | VE810L                                                                                                                                                                                                                                             | VE810R                                                                                                                                                                                                                                            |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video Input                 |                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                   |
| Interfaces                  | 1 x HDMI Type A Female (Black)                                                                                                                                                                                                                     | N/A                                                                                                                                                                                                                                               |
| Impedance                   | 100 $\Omega$                                                                                                                                                                                                                                       | N/A                                                                                                                                                                                                                                               |
| Max. Distance               | 3 m                                                                                                                                                                                                                                                | N/A                                                                                                                                                                                                                                               |
| Video Output                |                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                   |
| Interfaces                  | N/A                                                                                                                                                                                                                                                | 1 x HDMI Type A Female (Black)                                                                                                                                                                                                                    |
| Impedance                   | N/A                                                                                                                                                                                                                                                | 100 $\Omega$                                                                                                                                                                                                                                      |
| Max. Distance               | N/A                                                                                                                                                                                                                                                | 3 m                                                                                                                                                                                                                                               |
| Video                       |                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                   |
| Max. Data Rate              | 6.75 Gbps (2.25 Gbps Per Lane)                                                                                                                                                                                                                     | 6.75 Gbps (2.25 Gbps Per Lane)                                                                                                                                                                                                                    |
| Max. Pixel Clock            | 225 MHz                                                                                                                                                                                                                                            | 225 MHz                                                                                                                                                                                                                                           |
| Compliance                  | HDMI (3D, Deep Color)<br>HDCP Compatible                                                                                                                                                                                                           | HDMI (3D, Deep Color)<br>HDCP Compatible                                                                                                                                                                                                          |
| Max. Resolutions / Distance | Up to 1080p@40m; 1080i@60m                                                                                                                                                                                                                         | Up to 1080p@40m; 1080i@60m                                                                                                                                                                                                                        |
| Audio                       |                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                   |
| Input                       | 1 x HDMI Type A Female (Black)                                                                                                                                                                                                                     | N/A                                                                                                                                                                                                                                               |
| Output                      | N/A                                                                                                                                                                                                                                                | 1 x HDMI Type A Female (Black)                                                                                                                                                                                                                    |
| Control                     |                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                   |
| IR                          | 1 x Mini Stereo Jack Female (Black)                                                                                                                                                                                                                | 1 x Mini Stereo Jack Female (Black)                                                                                                                                                                                                               |
| Connectors                  |                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                   |
| Power                       | 1 x DC Jack                                                                                                                                                                                                                                        | 1 x DC Jack                                                                                                                                                                                                                                       |
| Power Consumption           | DC5V:2.41W:11BTU/h<br><br>Note:<br>● The measurement in Watts indicates the typical power consumption of the device with no external loading.<br>● The measurement in BTU/h indicates the power consumption of the device when it is fully loaded. | DC5V:1.06W:5BTU/h<br><br>Note:<br>● The measurement in Watts indicates the typical power consumption of the device with no external loading.<br>● The measurement in BTU/h indicates the power consumption of the device when it is fully loaded. |
| Environmental               |                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                   |
| Operating Temperature       | 0 - 50°C                                                                                                                                                                                                                                           | 0 - 50°C                                                                                                                                                                                                                                          |
| Storage Temperature         | -20 - 60°C                                                                                                                                                                                                                                         | -20 - 60°C                                                                                                                                                                                                                                        |
| Humidity                    | 0 - 80% RH, Non-Condensing                                                                                                                                                                                                                         | 0 - 80% RH, Non-Condensing                                                                                                                                                                                                                        |
| Physical Properties         |                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                   |
| Housing                     | Metal                                                                                                                                                                                                                                              | Metal                                                                                                                                                                                                                                             |
| Weight                      | 0.16 kg ( 0.35 lb )                                                                                                                                                                                                                                | 0.16 kg ( 0.35 lb )                                                                                                                                                                                                                               |
| Dimensions (L x W x H)      | 9.00 x 5.74 x 2.40 cm<br>(3.54 x 2.26 x 0.94 in.)                                                                                                                                                                                                  | 9.00 x 5.74 x 2.40 cm<br>(3.54 x 2.26 x 0.94 in.)                                                                                                                                                                                                 |
| Carton Lot                  | 20 pcs                                                                                                                                                                                                                                             | 20 pcs                                                                                                                                                                                                                                            |
| Note                        | For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.                                                                                                                    |                                                                                                                                                                                                                                                   |

## Diagram

Connect the IR Transmitter at the local unit and IR Receiver at the Remote unit to control the HDMI Device.

### Application 1

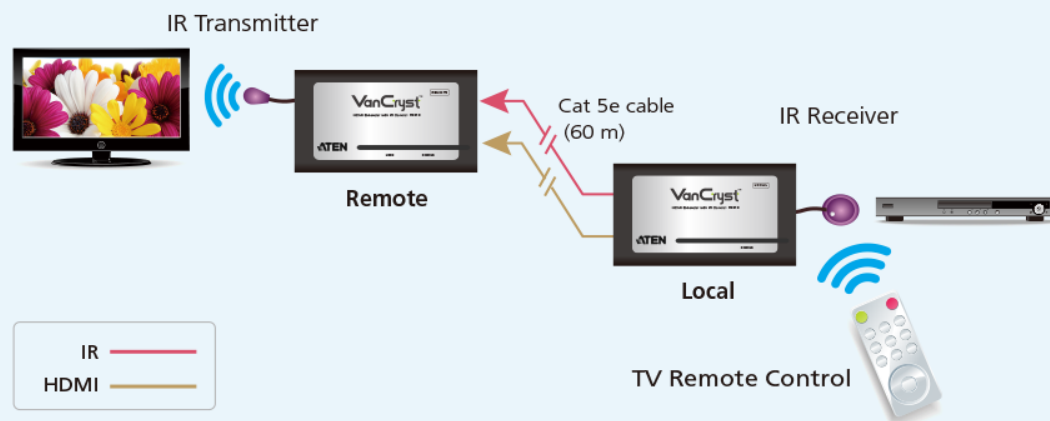
Remote Control of your HDMI Device



Connect the IR Receiver at the local unit and IR Transmitter at the Remote unit to control the HDMI Display.

### Application 2

Remote Control of your HDMI Display



#### ATEN International Co., Ltd.

3F., No.125, Sec. 2, Datong Rd., Sijhih District., New Taipei City 221, Taiwan  
 Phone: 886-2-8692-6789 Fax: 886-2-8692-6767  
 www.aten.com E-mail: marketing@aten.com



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