



## Just Add Power

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## 1G HD over IP Power over Ethernet Receiver

\$399.00



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The 1G HD over IP Power over Ethernet Receiver is part of the Projector Connector HDMI/IP family which allows you to simultaneously send out an HDMI 1.3 Signal (up to 1080p) to one or more HDMI video projectors or LCD Panels and return an IR Control Signal to the source using CAT5/6/7 cable over a standard Ethernet infrastructure. Can be used to **distribute HD digital content from multiple sources to up to 200 remote displays on a LAN** by cascading Ethernet switches up to 3 levels, allowing the farthest display to be located up to 1,000' away from the 1080p source device while sustaining excellent picture & sound quality. Each device is installed using 1 piece of UTP or STP cable. AV signals are transmitted digitally over the CAT5/6/7 cable without any signal loss. The integrated Scaler function allows different input and output resolutions up to 2048x2048 (different output displays can be at different resolutions). The Return IR Control function is best suited for a Point-To-Point application, and is of limited value in a Point-To-Many environment. For installations in a Many-To-Many environment

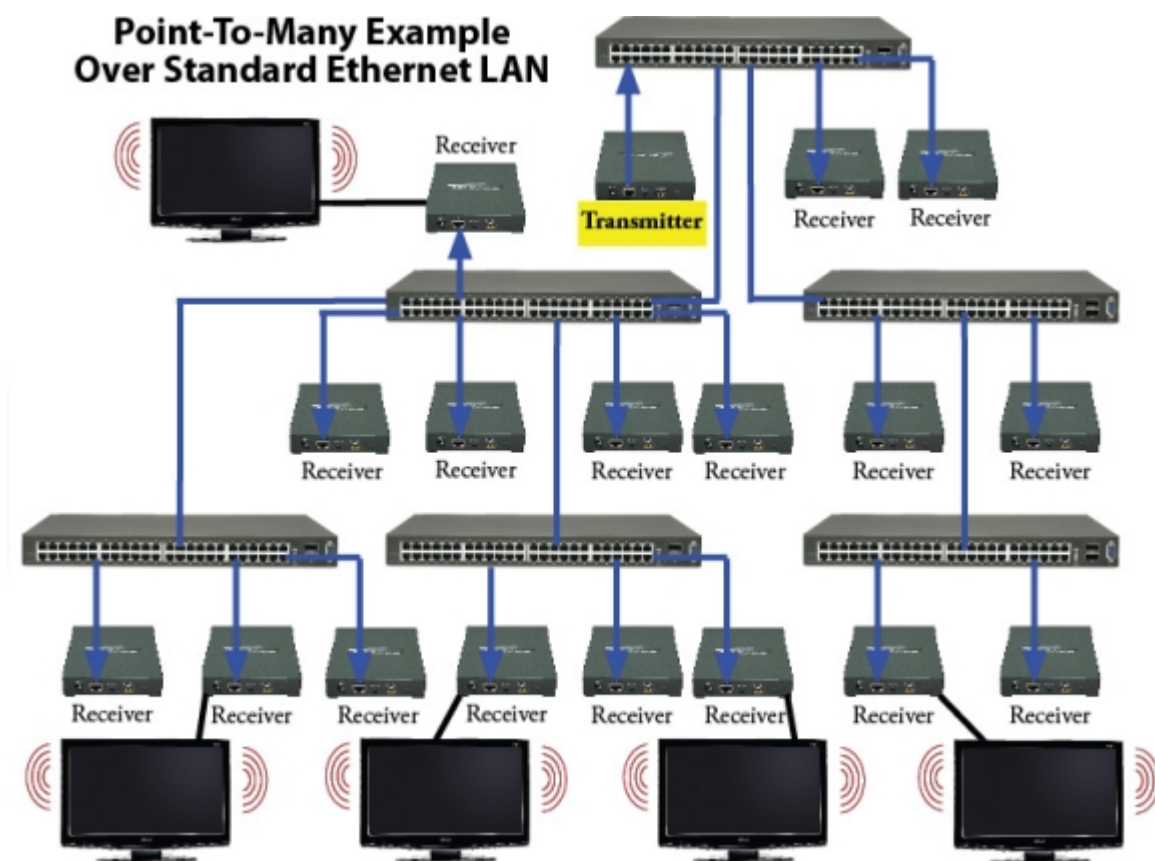
it is necessary to use a third party home automation solution to provide distributed remote control functionality.

**NOTE: Support for multiple transmitters requires a Managed network switch with VLAN/IGMP support. Standard LAN switches can only support 1 transmitter. A Power over Ethernet switch is required to provide power to the PoE Receiver.**



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**Not an HDMI Balun, but an HDMI over IP system.** This means you can create your own A/V Ethernet network and all of the receivers will find the transmitter automatically. It may even be used over smaller existing house networks and low cost LAN switches and routers.



## Many-to-Many Home Theater Matrix

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Any HDMI source can simultaneously be displayed on any number of display devices (if multiple displays are permitted by the HDMI source) using VLAN isolation on a Managed Ethernet switch. Using the HTTP GUI a PC (wired or wireless) can control what signal is being watched at each location. Sophisticated Home Theater installations can use a programmable console to control the system using RS232 commands. The Managed switch must support IGMP and permit duplicate IP addresses across the VLAN domains. You must use a third party home automation solution to provide distributed remote control functionality.

Projector Connector, HD/IP, Power over Ethernet Receiver Specifications (VBS-HDMI-108POE)

1 UTP/STP 100Mbps Ethernet Port

1 HDMI Out (19 pin Type A female)

Protocol: IP, UDP, TCP, ICMP, and IGMP

1 3.5mm IR Transmitter Port (limited support)

Size: 6.25" W x 4.5" D x 1" H; 1.25 pounds

Class 2 PoE Device - 6 Watts

HDCP Compliant

Plug-and-Play installation

Supports DVI with HDMI-to-DVI adapter

Scaler automatically adjusts for each display

Video Bandwidth: 2.25Gbps (HDMI 1.3)

LAN Bandwidth: 50Mbps ~ 60Mbps for 1080p

Input TMDS Signal: 1.2 volts (peak-to-peak)

Input DDC Signal: 5 volts (peak-to-peak)

Resolutions - supports practically any input resolution and frequency from 16 x 16 to 2048 x 2048 pixel image including the following popular settings (NOTE the integrated scaler will automatically adjust the HDMI output to match the preferred resolution setting reported by the HDMI attached monitor):

640x480 @ 85fps 800x600 @ 85fps

1024x768 @ 75fps 1280x1024 @ 30fps

1600x1200 @ 30fps 720x480 @ 60fps

720x576 @ 50fps 1280x720 @ 30fps

1920x1080 @ 24fps 1920x1080 @ 60fps



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