

Blu-Wire™

HD Extender Instruction

Descriptions:

Uncompressed 1080p HD digital content requires a total bandwidth of 4.8Gbps. When a standard HDMI cable is used, the maximum distance from the source to the display is limited. Some specially-made long HDMI cables can extend the distance up to approximately 60 feet, but the cable is very bulky and hard to install. Special HDMI cables longer than 60 feet are possible with active HDMI boosters, but the performance is generally unstable, especially with the vital HDCP protocol.

Existing HDMI over STP/UTP extender solutions require two CAT5e/CAT6 cables, one of which must be a shielded cable for video signals. These products use the second cable for the HDCP signals. The HDCP signals are not suitable for long distance connections. These kinds of products have very unstable HDCP performance.

Our innovative, patent-pending technologies enable the Blu-Wire™ series products to extend the uncompressed 1080p HD digital Video and Audio over much longer distances using a single CAT5e/CAT6 UTP cable, supporting both audio and video. The HDCP signals are specially processed and transported with the video signals to meet the requirements of long distance connections.

Specifications:

Supported Resolution: 1080p, 1080i, 720p, 480p, and all computer resolution up to WUXGA(1920x1200)
Distance: 150 feet: 1080p, WUXGA(1920x1200), UXGA(1600x1200)*; 200 feet: Other resolution/formats
Support Display: HDCP 1.1 and HDMI 1.3
Supported Source: HDCP 1.1 and HDMI 1.2

Blu-Wire™ Transmitter (Model: HD-EX0101T-150)
One HDMI input;
One RJ45 output;
One 12 V DC input

Blu-Wire™ Receiver (Model: HD-EXT0101R-150)
One RJ45 input
One HDMI output;
No power supply is needed;

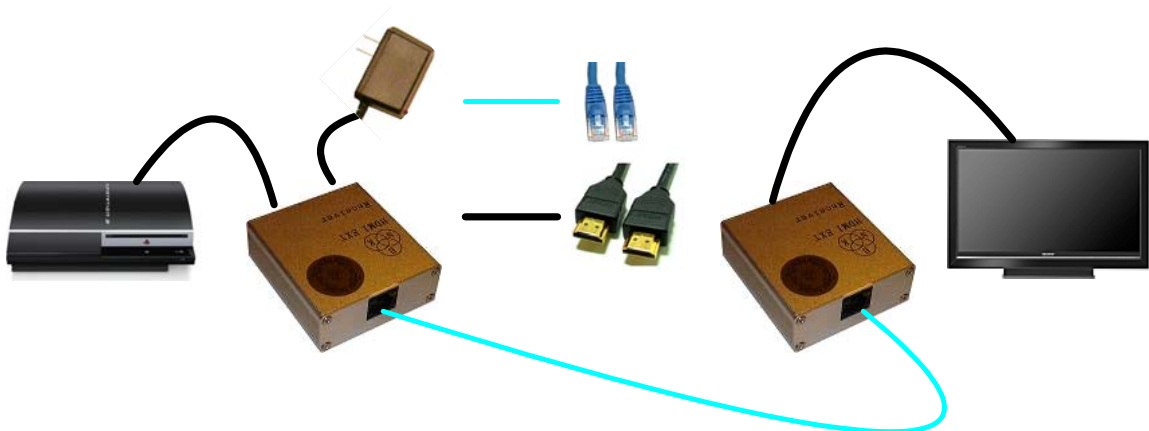
Applications:

Blu-Wire™ Transmitter can be connected to HD video sources, such as Blu-Ray players, HD DVD players, Computers, or Set-Top boxes, directly or through HDMI splitters/switches with a standard HDMI cable up to 6 feet.

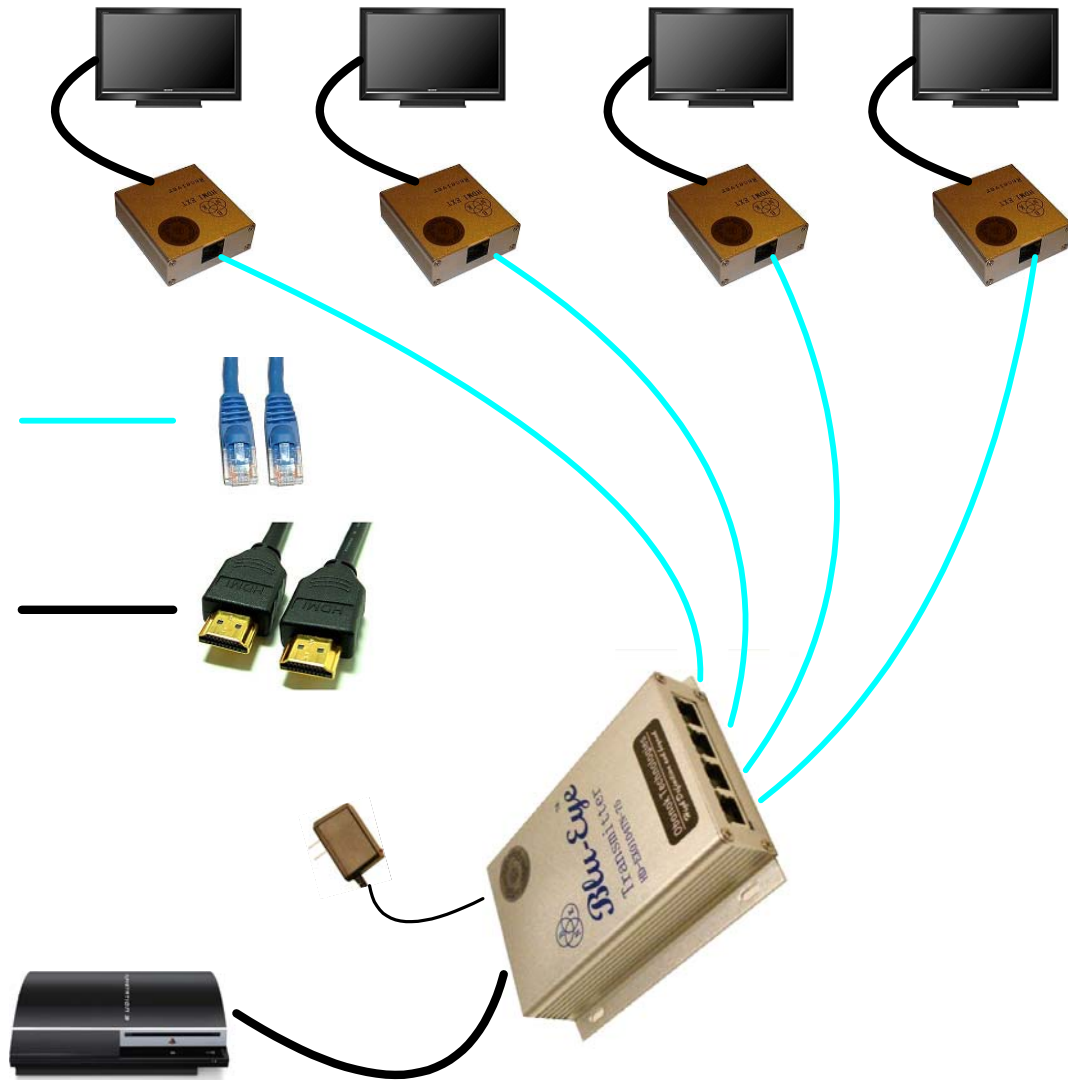
Blu-Wire™ Receiver is connected to the Blu-Wire™ Transmitter through a single CAT5e/CAT6 cable up to 150 feet in length. The HDMI output is connected to a display, such as a LCD or a Plasma HDTV, through a standard HDMI cable up to 6 feet long.

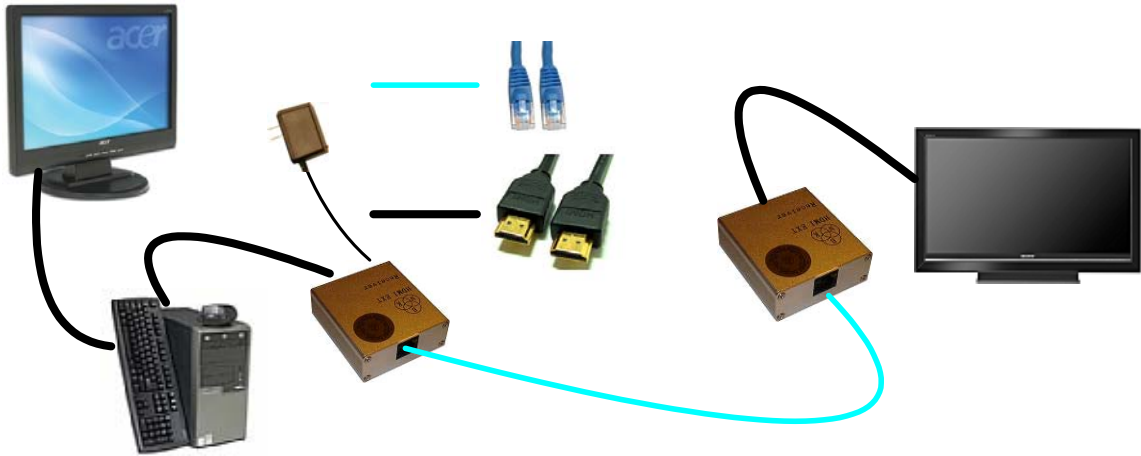
Advantage:

1. Easy to deploy with single standard CAT5e/CAT6 UTP cable;
2. Low cost;
3. High quality digital video up to 1080p without compression;
4. With Patent Pending (US 6,0956,684 and 6,0968,046)



Note: *This product may not support 1080p on minimal 1080p compliant HDTVs, such as Sceptre, at the specified distance. If the distance can not be reduced, please change the video source to 1080i.





Note: HDMI cables and the UTP cables are optional, and not included in the package

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