

CLR-HDMI-TR

HDMI IP Network Extender



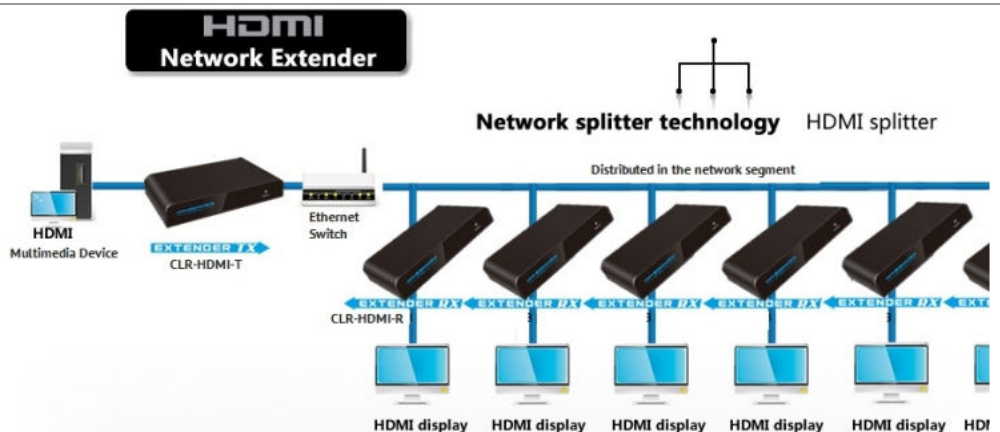
Overview

CLR-HDMI-T/R is a perfect solution to transmit high quality, 1080P HDMI video from HDMI sources like DVD Player, Blu-ray Player Set-top box, console systems or other video equipments, over current TCP/IP LAN. Up to 253 receivers can get the HDMI signal from one source using the cat6 UTP infrastructure. This easy to use solution avoids the image mosaic and color distortion in the video. It also supports IR transmission function. As an additional function, the CLR-HDMI-T/R can be utilized as HDMI splitter in its nature. Because the HDMI signal from one source is being splitted to all receivers in the network.

Area of usage

- Long distance transmission of high quality HDMI video and audio throughout TCP/IP network.
- HDMI monitors in the shopping centers, hospitals, schools, etc.
- Video conference systems
- Medical monitoring system
- CCTV, multimedia projects
- The industrial automation and control systems
- Big screen LED curtain wall display projects
- LCD and plasma flat panel multimedia advertising
- Security monitoring system
- Multimedia network education system
- Long-distance network server monitoring
- Military visual systems

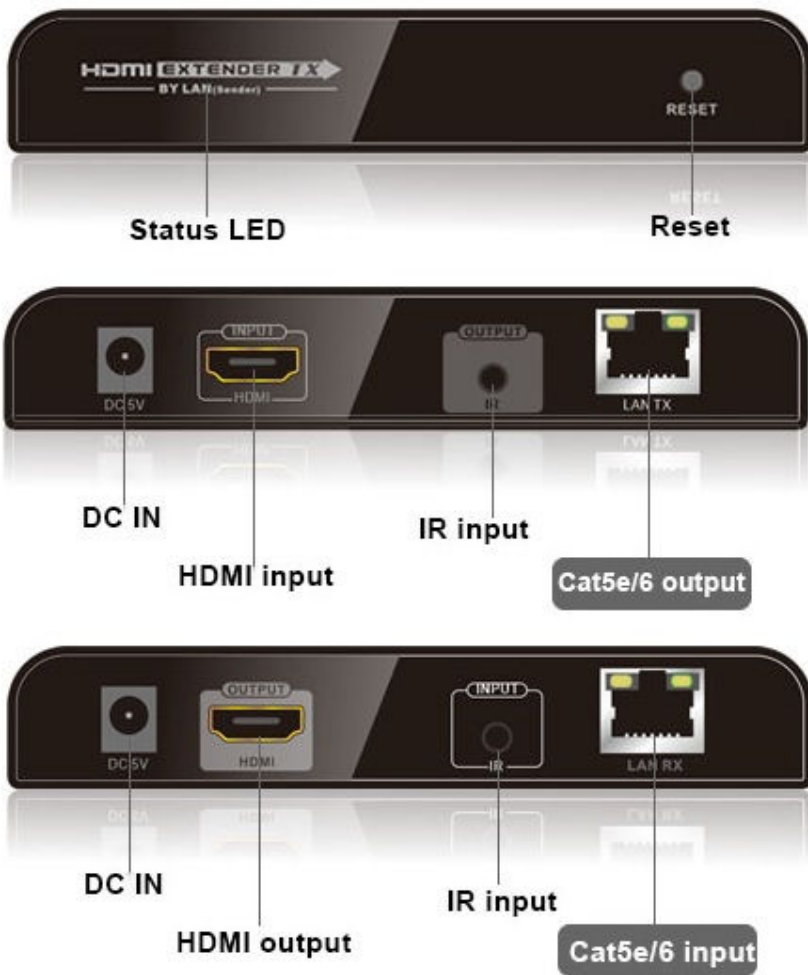
Application Diagram



Features

- Supports full standard HDMI specifications including full HD 1080p, deep color, lip sync and CEC.
- Supports all high resolution multichannel audio formats including Dolby Digital Plus, 7.1 LPCM, Dolby TrueHD and DTS Master Audio.
- Extends HDMI and IR signals by converting them to standard IP network signals
- Long distance HDMI signal transmission wherever you want in your network.
- HDMI splitting and distribution function. 1pcs transmitter + N pcs receivers
- IR infrared synchronization function to control many long distance devices.

LEDs & Ports



Specifications

HDMI Functions

| | |
|----------------------------------|--|
| HDCP version | - HDCP1.2 |
| Input HDMI Resolution | - 480i@60Hz, 480p@60Hz, 576i@50Hz, 576p@50Hz, 720p@50/60Hz, 1080i@50/60Hz, 1080p@50/60Hz |
| Output HDMI Resolution | - 480p@60Hz, 576p@50Hz, 720p@50/60Hz, 1080p@50/60Hz |
| Supported video color formats | - 24bit/Deep color 30bit/Deep color 36bit |
| Supported audio formats | - DTS-HD/Dolby-true HD/LPCM7.1/DTS/Dolby-AC3/DSD |
| Maksimum transmission Rate | - 10.2Gbps |
| Audio signal transmission format | - L/R Stereo Audio |
| TMDS signal | - 0.5-1.5Vp-p (TDMS) |
| DDC signal | - 5Vp-p (TTL) |
| Input Cable Length | - ≤5m (AWG26 HDMI1.3 standard cable) |
| Output Cable Length | - ≤5m (AWG26 HDMI1.3 standard cable) |

Transmission Medium

| | |
|-----------------------|--|
| Interface medium | - Cat 6 UTP cable TIA/EIA568 B |
| Connector Type | - RJ45 |
| Transmission distance | - Up to 120m with cat 6 UTP cable in point-to-point mode |

Environmental specs

| | |
|--------------------------|--|
| Power voltage | - DC 5V |
| Power consumption | - ≤3.6W |
| Electrostatic protection | - 1a socketed discharge level 3, 1b air discharge level 3, Standard IEC61000-4-2 |
| Working Temperature | - 0~55°C |
| Dimension | - 13 x 8.6 x 2.5cm |
| Weight | - 0.126Kg |
| Material | - Alumina based material + ABS + Crystal panel |

Ordering Information

| | |
|------------|--|
| CLR-HDMI-T | HDMI Extender over LAN with IR Transmitter |
| CLR-HDMI-R | HDMI Extender over LAN with IR Receiver |