

HLX-500

HDMI AND IR EXTENDER OVER LAN



BREAK DISTANCE BARRIERS TO EXTEND HDMI AND IR SIGNALS OVER IP USING CAT5E/6 CABLES

FEATURES

- Extends HDMI signal up to 500 feet via LAN (Cat5e/6 cables)
- Chainable for thousands of feet of extension
- Supports high resolution 1080p HD video, 1920x1080 at 60Hz
- Supports stereo audio
- IR (Infrared) remote enabled
- Bracket mountable
- No software or driver required
- Plug-and-Play ready

APPLICATIONS

- Corporate or Educational Environments
- Financial Venues with Remote Servers
- Industrial Workstations
- Information Terminals/Kiosks
- Airports (Air Traffic Control/Passenger Info)
- Medical Campuses
- Production Studios



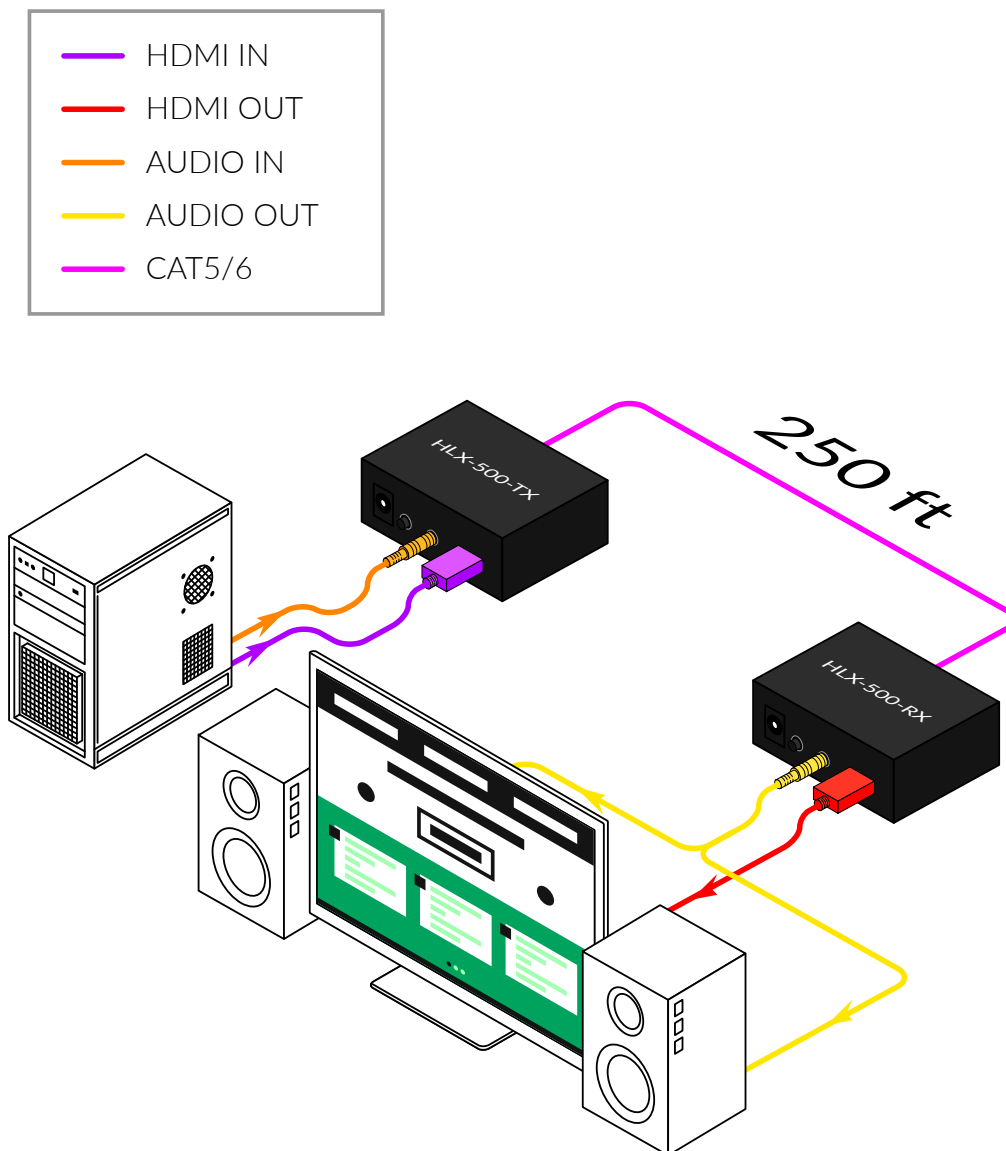
Designed and Manufactured in the USA

OVERVIEW

The HLX-500 HDMI Extender gives users the freedom to extend HDMI signals via LAN, using inexpensive Cat5e/6 cables that many modern communications already rely on. This chainable extender can be used to generate thousands of feet of HDMI signal extension, breaking distance barriers. Users can set up their own extension cabling or utilize the pre-existing LAN infrastructure they have access to. Each unit extends signals up to 500 feet. With no software or driver required, users can easily extend HDMI signals such as HDTV, Blu-Ray, video game consoles and more. HLX-500 supports 1080p HD video up to 1920x1080 resolution at 60Hz and is Infrared Remote enabled.

The HLX-500 is a compact unit that is easily integrated into a digital display network at retail stores, restaurants, office spaces and many other venues. The transmitter and receiver units are small yet sturdy, which makes inclusion into any audio/video infrastructure quick and efficient.

The HLX-500 compresses data to utilize Cat5e/6 cables, but users will see no degradation of signal when using one gigabit Internet connections and up. For users utilizing pre-existing LAN connections, implementing a one gigabit switch allows for full resolution extension. Users with smaller bandwidth will experience compressed signals, if they so choose.



EXTEND FOR ANY APPLICATION IN ANY ENVIRONMENT

SECURITY

When managing content in high-security environments, creating a safe and secure control room is critical. In the vast majority of such applications, that requires routing signals from a server room, where the computers are safely stored, to a control room, where approved personnel access the data and video feeds. Whether that's in a security surveillance center, an operations control room or some other security-related environment, being able to extend video, audio and USB is a must.

The HLX-500 provides system architects with the flexibility they need to create secure environments for servers as well as the end users accessing those computers. And with video signal extension, users can manage their connected computers with expanded display options, enabling them to stay in control of their content at all times.

DIGITAL SIGNAGE

Managing a multi-screen digital signage solution requires some important foresight regarding the signal path to those informative and attractive displays. Particularly when it comes to properly scheduled, updated and managed content being displayed, it's much more efficient to keep all of the digital signage hardware in one central location and to extend the video signals out from there.

That means signal extension is an important part of a smart digital signage solution, and the HLX-500 gives users the flexibility they want and need to place their digital signage screens in the right locations to maximize their effectiveness.

AUDIO AND VISUAL RECORDING

For users in the recording arts, maintaining the utmost in signal and recording fidelity is an absolute necessity. For video recording, it is often important that no unsightly computers are visible. Similarly, audio engineers must keep noisy computers away from the rooms where recording happens to ensure the final product sounds professional. In both such instances, the HLX-500 gives users the ideal way to keep their servers or computers away from areas that audio or video recording is being done, ensuring a better final product.

EXTENDER UNITS



HLX-500-TX Front



HLX-500-RX Front



HLX-500-TX Back



HLX-500-RX Back

TECHNICAL SPECIFICATIONS

VIDEO	
Format	HDMI 1.3 and HDCP compliant
HDTV Resolutions	480p, 720p, 1080i, 1080p/60Hz/48bit
TV Resolution	480i
Input Interface (TX)	HDMI Type A 19-pin Female TMDS
Output Interface (RX)	HDMI Type A 19-pin Female TMDS
Input Cable Length (TX)	Up to 40 ft
Output Cable Length (RX)	Up to 40 ft

AUDIO	
Format	Dolby TrueHD, DTS-HD MA
Input Interface	HDMI (Integrated)
Output Interface	HDMI (Integrated)

IR	
Signal Type	38 KHz
Interface	3.5 mm Jack Socket (Female)

SYSTEM	
Interface	RJ-45
Cable Requirements	CAT5/5e/6
Maximum Length	500 ft

OTHER	
Power	External 100-240 VAC/5VDC2A @10W
Dimensions	2.78" W x 1.125" H x 4" D
Weight	0.45 lbs
Approvals	UL, CE, ROHS Compliant
Operating Temperature	32-131°F (0-55 °C)
Storage Temperature	-4-185 °F (-20-85 °C)
Humidity	Up to 95%

PART NO.	DESCRIPTION
HLX-500S	HDMI over LAN or CAT5e/6 Cable Extender. Includes: [HLX-TX500, HLX-RX500, 2 x (PS5VD2A)]
HLX-TX500S	HDMI over LAN or CAT5e/6 Cable Transmitter. Includes: [HLX-TX500, PS5VD2A]
HLX-RX500S	HDMI over LAN or CAT5e/6 Cable Receiver. Includes: [HLX-RX500, PS5VD2A]