

HDMI® over Cat5 Video Extender with RS232 and IR Control

StarTech ID: ST121UTPHD2



The ST121UTPHD2 HDMI® over Cat5 Extender Kit can extend the audio and video signal output from an HDMI®-equipped device by up to 330 feet (100 Meters), over a single CAT5 cable, or up to 165 Feet (50 Meters) over a single CAT6 cable. The extender supports full High-Definition video (4K and 1080p) and HD 3D, and also extends the accompanying digital audio signal.

For convenient, time-saving control of the media source, the CAT5 HDMI extender offers bi-directional RS232 serial and Infrared (IR) interfaces, which enable you to control the HDMI audio-video source from either end of the connection.

The HDMI over CAT5 Extender Kit includes both the HDMI® to CAT5 transmitter and the Cat5 to HDMI receiver needed for a cost-effective, ready-to-use digital signage solution.

To help ensure seamless performance without any unexpected or unnecessary interruptions, the HDMI Ethernet transmitter and receiver units are fully compliant with High Speed HDMI® and HDCP standards, and each unit features lockable power connectors to prevent accidental disconnections.

The ST121UTPHD2 HDMI over Cat5 Extender Kit is backed by a StarTech.com 2-year warranty and free lifetime technical support.

Applications

- Position a display/monitor in a convenient viewing area while the transmitting content over a CAT5 cable from a cleaner, more secure environment
- Ideal for digital signage applications in financial, educational, medical and business sectors
- Perfect for video conferencing solutions in boardrooms and office settings
- Optimize placement of your demo stations at trade-shows and in auditoriums

Features

- Extends HDMI® or DVI video (with adapter) with the accompanying device control signal and audio stream (where applicable), over a single Cat 5/5e network cable
- Supports video resolutions up to 1080p / 60Hz / 48-bit
- 100m (330ft) maximum Cat5 cable distance
- Supports bi-directional RS232 and IR communication
- High Speed HDMI® and HDCP compliant
- Audio transmission supports Dolby® TrueHD, DTS-HD MA
- RS232 interface supports up to 115200bps full-duplex data rate
- No software or drivers required

Technical Specifications

Warranty	2 Years
Ports	1
Cabling	Cat 5 UTP or better
Audio	Yes
Industry Standards	High Speed HDMI® and HDCP compliant
Daisy-Chain	No
Local Unit Connectors	1 - IrDA (Infrared; SIR/FIR)
Remote Unit Connectors	2 - IrDA (Infrared; SIR/FIR)
Local Unit Connectors	1 - DB-9 (9 pin; D-Sub) Female
Local Unit Connectors	1 - RJ-45 Female
Local Unit Connectors	2 - HDMI (19 pin) Female
Remote Unit Connectors	1 - DB-9 (9 pin; D-Sub) Male
Remote Unit Connectors	1 - HDMI (19 pin) Female
Remote Unit Connectors	1 - RJ-45 Female
Supported Resolutions	3840x2160 (4K) 2560x1600 1920x1200 1920x1080 (1080p) 1280x720 (720p)
Maximum Data Transfer Rate	HDMI® - 3.4Gbps RS232 - 115200bps baud
Max Distance	100 m / 330 ft
Maximum Digital Resolutions	4K
Wide Screen Supported	Yes
Audio Specifications	Supports Dolby® TrueHD, DTS-HD MA
IR Interface	Bi-directional 38Khz / ±10° / 5M
OS Compatibility	OS Independent
Color	Black
Enclosure Type	Steel
Product Length	5.9 in [150 mm]
Product Width	3.1 in [80 mm]
Product Height	1 in [25 mm]
Product Weight	10.8 oz [305 g]
LED Indicators	1 - HDCP (Green)
LED Indicators	1 - Mode (Green)
LED Indicators	1 - Power (Green)
LED Indicators	1 - RJ45 Link (Green)
Center Tip Polarity	Positive
Input Current	0.6

Input Voltage	110 ~ 240 AC
Plug Type	M
Power Adapter Included	Two
Output Voltage	12 DC
Output Current	1.24A
Operating Temperature	0°C to 70°C (32°F to 158°F)
Storage Temperature	-20°C to 85°C (-4°F to 185°F)
Humidity	0-95%
System and Cable Requirements	1X Standard CAT5 cable 1X HDMI Cable for Remote Unit (Local Cable Included)
Shipping (Package) Weight	52.9 oz [1500 g]
Included in Package	1 - Local HDMI® Extender Unit
Included in Package	1 - Remote HDMI® Receiver Unit
Included in Package	1 - IR Receiver Cable
Included in Package	1 - IR Transmitter Cable
Included in Package	1 - HDMI Cable - 4 ft (1.2 Meters)
Included in Package	2 - Universal Power Adapter NA / UK / EU
Included in Package	1 - User Manual

Certifications, Reports and Compatibility

