

## HDMI Over CAT5/CAT6 Extender with Power Over Cable - 165 ft (50m)

StarTech ID: ST121SHD50



The ST121SHD50 HDMI® over Cat5e/Cat6 Video Extender kit lets you extend HDMI video and audio by up to 165 feet (50 Meters) over dual Cat5e cables, or 130 feet (40 Meters) over dual Cat6 cables. For added versatility the kit features Power Over Cable and only requires a single power adapter that can be connected to either the Transmitter or Receiver.

With support for High-Definition resolutions of up to 1920x1080 / 1080p and the accompanying digital audio, this cost-effective HD extender can easily be installed using new or existing Ethernet infrastructure wiring. For a convenient plug-and-play installation, the HDMI extender features built-in EDID monitor emulation, which ensures native resolution and maximum compatibility with your display or projector.

For added flexibility and convenience, HDMI cables up to 32ft (10m) can be connected to both the local and remote units, which lets you extend your HDMI signal to even further distances.

The HDMI extender kit offers a point-to-point digital signage solution right out of the box, including both local transmitter and remote receiver units, along with optional hardware that lets you mount the units as needed. Plus, with Power Over Cable, you can easily extend an HDMI signal in areas where access to power outlets is limited.

Backed by a StarTech.com 2-year warranty and free lifetime technical support.

## Applications

- Extend HDMI when power outlets are limited, with only a single power adapter required at either the Transmitter or Receiver using Power Over Cable
- Place the display in a convenient viewing area, while the system equipment is placed elsewhere in a clean and secure environment
- Optimize placement of digital signage in healthcare, education, retail, and government facilities

## Features

- Power Over Cable allows a single power source to operate the Transmitter and Receiver
- Supports Cat5e (50m) or Cat6 (40m) Ethernet cabling
- No software/drivers required
- Supports HD resolutions up to 1080p (1920x1080)
- Includes transmitter (local) and receiver (remote) units

Technical Specifications

|                             |  |
|-----------------------------|--|
| Warranty                    | 2 Years  |
| Audio                       | Yes  |
| Cabling                     | Cat 5 UTP or better  |
| Daisy-Chain                 | No   |
| Ports                       | 1  |
| Rack-Mountable              | Yes  |
| General Specifications      | <b>Maximum Distances - (1080i only)</b><br>CAT5E (stranded) - 40m (130 ft)<br>CAT5E (solid) - 50m (165 ft)<br>CAT6 (stranded or solid) - 50m (165 ft)  |
| Max Distance                | 50 m / 165 ft  |
| Maximum Digital Resolutions | 1080p / 1920x1080  |
| Supported Resolutions       | 1080p - with CAT6 cabling up to 40m (130ft), solid CAT5 cabling up to 20m (65 ft) and stranded CAT6 up to 16m (52 ft)<br>1080i - with CAT6 and solid CAT5 cabling up to 50m (165ft), and stranded CAT6 up to 40m (130 ft)<br><b>See product manual for further details</b> |
| Wide Screen Supported       | Yes  |
| Local Unit Connectors       | 1 - HDMI (19 pin) Female   |
| Local Unit Connectors       | 2 - RJ-45 Female   |
| Remote Unit Connectors      | 1 - HDMI (19 pin) Female   |
| Remote Unit Connectors      | 2 - RJ-45 Female   |
| LED Indicators              | 1 - Power  |
| Center Tip Polarity         | Positive   |
| Input Current               | 0.5 A  |
| Input Voltage               | 100 ~ 240 AC   |
| Output Current              | 1.5 A  |
| Output Voltage              | 12 DC  |
| Plug Type                   | M  |
| Power Source                | AC Adapter Included  |

|                           |   |
|---------------------------|---|
| Humidity                  | 0% - 80 %                                       |
| Operating Temperature     | 0°C to 40°C (32°F to 104°F)                     |
| Storage Temperature       | -10°C to 60°C (14°F to 115°F)                   |
| Color                     | Black   |
| Enclosure Type            | Aluminum  |
| Product Height            | 0.8 in [21 mm]                                  |
| Product Length            | 3.1 in [80 mm]                                  |
| Product Weight            | 5.5 oz [157 g]                                  |
| Product Width             | 2 in [51 mm]                                    |
| Shipping (Package) Weight | 1.5 lb [0.7 kg]                                 |
| Included in Package       | 1 - HDMI over CAT5e/6 UTP transmitter           |
| Included in Package       | 1 - HDMI over CAT5e/6 UTP receiver              |
| Included in Package       | 1 - universal power adapter (NA / EU / UK / AU) |
| Included in Package       | 2 - mounting brackets                           |
| Included in Package       | 2 - foot pad set                                |
| Included in Package       | 1 - instruction manual                          |

## Certifications, Reports and Compatibility

