

Overview:

The HDMI Extender Kit, 60m, UHD-4K (Model 100524) allows HDMI equipment supporting uncompressed video up to 4K/30 (4:4:4) resolutions to be connected over Cat6 unshielded twisted pair cable in a point-to-point configuration at distances up to 40m at 4K/30, and 60m at 1080p. It supports an HDMI Loop-out on the Transmitter, and it is HDCP 1.4 compliant. In addition, the HDMI Extender Kit supports a 1-way IR port (carrier wave) for remote control of end devices. The kit comes with one (1) Transmitter and one (1) Receiver as well as an IR Emitter and IR Sensor.

Applications:

Commercial and residential AV systems
 Classroom training systems
 Digital signage
 Boardroom systems
 Medical video systems

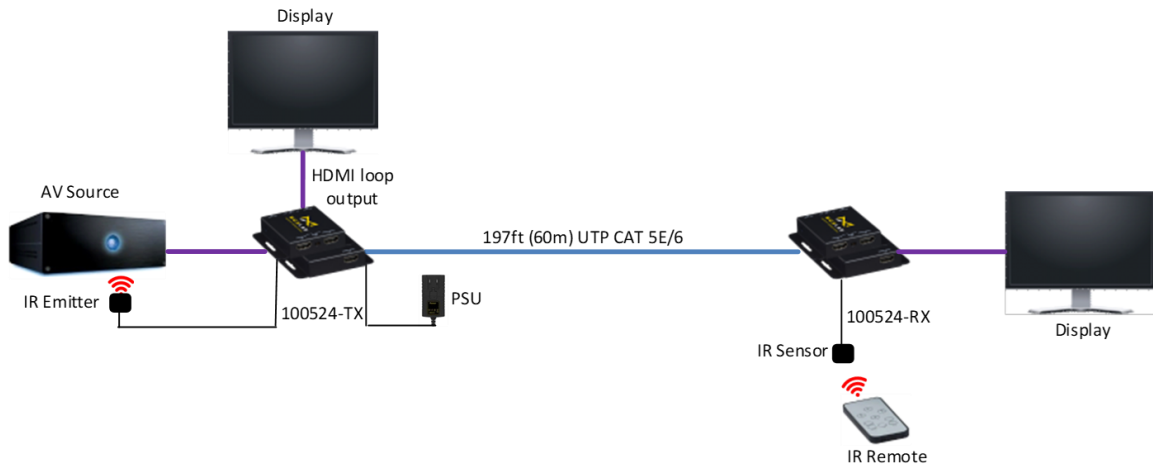


Key Features:

- HDMI 1.4, HDCP 1.4 and DVI 1.0 compliant
- Support video resolution up to 4K/30 (4:4:4)
- Support copying EDID from receiver display or loop-out display
- Support Dolby TrueHD, DTS-HD and PCM7.1 Master Audio pass-through
- HDMI Loop-out on Transmitter
- Support one-way POC functionality (from transmitter to receiver)
- One-way IR for remote control of end devices

| Specifications | | | | | |
|------------------------------|--|---|---|----------|---|
| HDMI Compliance | HDMI 1.4 | | | | |
| HDCP Compliance | HDCP 1.4 | | | | |
| Video Bandwidth | 10.2Gbps | | | | |
| Video Resolution | Up to 4K/30Hz | | | | |
| Audio Resolution | Up to 7.1CH HD audio | | | | |
| Input TMDS Signal | 3.3 volts | | | | |
| Input DDC Signal | 5.0 volts/P-P | | | | |
| ESD Protection | Human Body model: +/- 8 kV (air-gap discharge) +/- 4 kV (contact discharge) | | | | |
| Connection | <table border="1"> <tr> <td>Transmitter</td> <td> Input: 1 x HDMI Type A (19-pin female) Outputs: 1 x HDMI Type A (19-pin female) 1 x IR OUT (3.5mm Stereo Mini-jack) 1 x CAT OUT (RJ45, 8-pin female) </td> </tr> <tr> <td>Receiver</td> <td> Inputs: 1x IR IN (3.5mm Stereo Mini-jack) 1x CAT IN (RJ45, 8-pin female) Output: 1x HDMI Type A (19-pin female) </td> </tr> </table> | Transmitter | Input: 1 x HDMI Type A (19-pin female) Outputs: 1 x HDMI Type A (19-pin female) 1 x IR OUT (3.5mm Stereo Mini-jack) 1 x CAT OUT (RJ45, 8-pin female) | Receiver | Inputs: 1x IR IN (3.5mm Stereo Mini-jack) 1x CAT IN (RJ45, 8-pin female) Output: 1x HDMI Type A (19-pin female) |
| | Transmitter | Input: 1 x HDMI Type A (19-pin female) Outputs: 1 x HDMI Type A (19-pin female) 1 x IR OUT (3.5mm Stereo Mini-jack) 1 x CAT OUT (RJ45, 8-pin female) | | | |
| Receiver | Inputs: 1x IR IN (3.5mm Stereo Mini-jack) 1x CAT IN (RJ45, 8-pin female) Output: 1x HDMI Type A (19-pin female) | | | | |
| Maximum Distance | Cat 6: 196ft (60m) up to 1080p60 Cat 6: 131ft (40m) up to 4K/30 <i>Based on a maximum length of 6.6 ft (2 m) of HDMI cable per end.</i> <i>Note: When installed in an electrically noisy environment, an STP cable must be used. Also, cross-connection reduces the effective distance depending on the grade of twisted cable used.</i> | | | | |
| Enclosure | Metal Enclosure | | | | |
| Color | Black | | | | |
| Dimensions | 79.5mm(W) x 69mm(D) x 16.5mm(H) | | | | |
| Weight | Transmitter: 132g, Receiver: 130g | | | | |
| Power Consumption | Transmitter: 1.86W Receiver: 0.87W | | | | |
| Power adapter | 12V/1A DC | | | | |
| Operation Temperature | 32 - 104°F / 0 - 40°C | | | | |
| Storage Temperature | -4 - 140°F / -20 - 60°C | | | | |
| Relative Humidity | 20 - 90% RH (no condensation) | | | | |
| Warranty | 1 year | | | | |
| Order Information | 100524 HDMI Extender Kit, 60m, UHD-4K (UPC: 627699505243) | | | | |

Typical Application



100524-TX



100524-RX