# Magenta Research 2211078-02 HDMI Video/Audio/IR/RS232 Extender (Receiver/Transmitter) Kit over Cat5e/6/6e/7

HD-One LX is an HDMI extension product that utilizes a single Cat5e/6/6e/7 cable, and sends 1080p video 328ft/100m. HD-One LX is fully HDCP-compliant and capable of extending uncompressed 1080p video, audio, IR and bi-directional RS-232 to 328ft/ 100m, allowing commands and data to flow in both directions.

The distance reach and use of inexpensive, easy to terminate UTP cable makes this product an obvious choice for HDMI extension, whether it's a Blu-Ray player, cable/set-top box or a PC with an HDMI/DVI output. Such distances are virtually impossible to replicate using specially constructed HDMI cables, which, even at short distances, deteriorate image quality, are extremely difficult to terminate in the field and carry a high cost factor. The HD-One LX delivers significant value and convenience for both commercial and residential applications.

Kit includes two sets of IR emitter/receiver cables.

**Key Features :**

- HDMI 1.3 and HDCP compliant
- Uncompressed HD video to 1080p @ 60Hz at 328ft/100m
- Single UTP cable transfers video, audio, serial and HDCP signals
- Bi-directional RS232 interface
- Bi-directional IR functionality (two sets of emitter/receiver cables included)
- Audio transmission supports Dolby TrueHD, DTS-HD Master Audio

| Connectors Required | | |
|---|---|---|
| | Transmitter | Receiver |
| Video In | HDMI type A | |
| Video Out | | HDMI type A |
| Audio In | Embedded with video signal | |
| Audio Out | | Embedded with video signal |
| UTP In | | RJ-45 (1) |
| UTP Out | RJ-45 (1) | |
| | General Specifications | |
| Video Supported | HDMI/DVI Video Modes, including standard formats @ 60Hz:640x480, 800x600, 1024x768, 1152x864,1280x768, 1280x960, 1280x1024, 1360x760, 1366x768, 1600x1200,1680x1050,  and HDTV: 480p,720p,1080i, and 1080p. | |
| Resolution | Up to 1080p / 60Hz / 48 bit / 3D Capable | |
| | Transmitter | Receiver |
| Audio Support | HDMI 1.3 audio: SPDIF two channel PCM or 5.1, 6,1 Dolby Digital or DTS) | |
| Cable Supported | High quality CAT5e, Cat6, CAT6e, CAT7, UTP / STP or FTP | |
| RS-232 Baud Rate | Up to 115200bps / Full Duplex | |
| RS-232 Connector | DB9 Female / DB9 Male | |
| IR Carrier | 38Khz / 10o C / 5M / 2 Way | |
| Daisy Chain Capability | None | |
| Power | Regulated 5V / 2A | |
| Temperature Tolerance | Operating Temp: 0 to 55º C; Storage Temp: -20 to 85º C | |
| Humidity Tolerance | Up to 95% Non-Condensing | |
| Mounting | None | |
| Enclosure | Metal | |
| Size | 4" x 3.25" x 1" (10.16 cm x 8.25 cm x 2.54 cm) each unit | |
| Weight | 0.625 lb (0.283 kg) each | |
| Warranty | Three(3) Years | |