

HD-One DX HD-One LX

Transmitter and Receiver
Rock solid HDMI extension
over a single UTP



RELIABLE HDMI EXTENSION IS NOT A MYTH – HD-ONE DELIVERS REAL PERFORMANCE

Tired of using HDMI extenders that are limited to 150 feet, and introduce green sparkles alongside horribly compressed or degraded video? Then it's time to step up to Magenta's HD-One Series.

Magenta's HD-One DX and HD-One LX deliver reliable, uncompressed high-definition video over a single Cat5e/6/6e/7 cable, to a distance of 100 meters (328 feet). These fully HDCP-compliant devices feature plug-and-play functionality and require no adjustments to get up and running.

The 328 foot reach of HD-One DX & LX is also impossible to replicate using HDMI cables, which are difficult to terminate, costly and can degrade picture quality, even at short distances.

HD-One DX extends embedded HDMI audio in addition to video, with support for Dolby® TrueHD and DTS-HD Master Audio. The DX is compliant with HDMI 1.3 and serves up 1080p resolution video at 60Hz, while also boasting support for today's 3D capable devices.

HD-One LX goes a step further, offering support for bi-directional RS-232 in addition to two-way IR signals. For additional ease of use, HD-One LX comes with two sets of IR emitter/receiver cables.

UTP cable is inexpensive and easy to terminate in the field, making HD-One products an easy decision for extending any HDMI or DVI source to any display.

Most importantly for installers, HD-One products just work, period.



Front and back view transmitter (l) and receiver (r)



Key Features

- 1920x1080, 1080P/60 Resolution
- Works Over a Single CAT5e, CAT6, CAT6e, CAT7 UTP, STP or FTP Cable
- Supports Embedded HDMI Audio, Including Dolby® TrueHD and DTS-HD Master Audio
- No Adjustments or Tuning Required
- 100 meter / 328 foot Reach
- HDMI 1.3 Compliant
- HDCP Compliant
- Bi-Directional RS-232 Interface (HD-One LX)
- Two-Way IR Support (HD-One LX)
- Includes Two IR Emitter/Receiver Cables (HD-One LX)
- Integrated Mounting Flange
- Tolerances Designed for Commercial Environments
- Supports 3D Video (Format Dependent)

Typical Installation Types

- Museums
- Large Retail Environments
- High-end Security, Education and Residential
- Digital Signage
- Wayfinding Installations
- Home Theatre

Transmitter / Receiver Specifications

Supported Video:	HDMI/DVI Video Modes, including standard formats @ 60Hz:640x480, 800x600, 1024x768, 1152x864, 1280x768, 1280x960,1280x1024, 1360x760, 1366x768, 1600x1200,1680x1050, & HDTV: 480p,720p,1080i, & 1080p.
Video In:	HDMI Type A (Transmitter)
Video Out:	HDMI Type A (Receiver)
Audio In/Out:	Embedded with video signal
UTP In/Out:	RJ45 Connector
Required UTP:	High quality CAT5e, Cat6, CAT6e, CAT7, UTP / STP or FTP
Resolution:	1080p / 60Hz / 48 bit / 3D Capable
RS-232 Baud Rate (LX):	To 115200bps / Full Duplex
RS-232 Connector (LX):	DB9 Female / DB9 Male
IR Carrier:	38Khz / 10° C / 5M / 2 Way
Power:	Regulated 5V / 2A
Consumption:	600mA(max) / 1200mA(max)
Dimensions (DX):	4.76 cm x 8.25 cm x 2.54 cm (1.875" x 3.25" x 1") each unit
Dimensions (LX):	10.16 cm x 8.25 cm x 2.54 cm (4" x 3.25" x 1") each unit
Weight:	DX: 0.3125 lb (0.142 kg) each LX: 0.625 lb (0.283 kg) each
Humidity Tolerance:	Up to 95% non-condensing
Temperature:	Operating Temperature: 0 to 55° C Storage Temperature: -20 to 85° C

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