RELIABLE HDMI EXTENSION
REAL PERFORMANCE, REAL DISTANCE

DX/LX:
200'/60m 4K reach

DX/LX:
328'/100m reach

DX500/LX500:
500'/150m reach

Magenta's HD-One series is your answer to deploying digital video extenders with simplicity and long-term confidence. HD-One will enable your systems flawlessly, while backed by the finest engineering and support in the industry.

The HD-One DX and LX deliver reliable, uncompressed, high-definition video over a single Cat5e/6/6e/7 cable to a distance of 328 feet/100 meters and 4K UHD signals 200 feet/60 meters. The HD-One DX500 and LX500 go a step further, offering a distance reach of 500 feet/152 meters, while also using less power, dissipating less heat and providing significantly better resistance to environmental emissions and interference.

DX Series kits extend embedded HDMI audio in addition to video, with support for Dolby® TrueHD and DTS-HD Master Audio. LX Series offer additional support for bi-directional RS-232 and two-way IR signals. For ease of use, all LX kits come with one set of IR emitter/receiver cables. LX

Receivers are also tunable to three different IR bands (36.7, 38.0 or 58.8 kHz). All HD-One products are fully HDCP-compliant and feature plug-and-play functionality.

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

HD-ONE: ROCK SOLID HDMI EXTENSION OVER A SINGLE UTP TO 500 ft/150 m

UTP cable, meanwhile, is both inexpensive and easy to terminate in the field, making HD-One products an easy decision for extending an HDMI or DVI source to any display. Most importantly for installers, HD-One products just work, period.
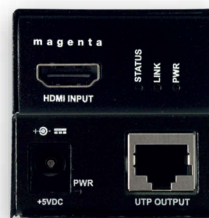
SWITCHING ▶ EXTENSION ▶ DISTRIBUTION

HD-ONE LX TRANSMITTER (L) AND RECEIVER (R) FRONT/BACK VIEW

HD-ONE LX500 TRANSMITTER (L) AND RECEIVER (R) FRONT/BACK VIEW

HD-ONE DX TRANSMITTER (L) AND RECEIVER (R) FRONT/BACK VIEW

HD-ONE DX500 TRANSMITTER (L) AND RECEIVER (R) FRONT/BACK VIEW

KEY FEATURES

- 1920x1080, 1080P/60 Resolution, 4K UHD (LX,DX)
- 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
- 328'/100 Meter Reach
- 200'/60 Meter Reach 4K Resolutions (LX, DX)
- 500'/152 Meter Reach (LX500, DX500)
- HDMI 1.4 Compliant, HDBaseT
- HDCP Compliant
- Bi-Directional RS-232 Interface (HD-One LX/LX500)
- Two-Way IR Support (HD-One LX/LX500)
- Includes one IR Emitter/Receiver pair (HD-One LX/LX500)
- Tolerances Designed for Commercial Environments
- Compatible with CORIOmax HDBaseT input and output modules

TYPICAL INSTALLATION TYPES

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

ORDERING INFORMATION

- HD-ONE DX:
  Kit: 2211079-03
  TX: 2211093-02
  RX: 2211094-02

- HD-ONE DX500:
  Kit: 2211114-02
  Tx: 2211121-01
  RX: 2211122-01

- HD-one LX:
  Kit:2211078-02
  TX: 2211095-02
  RX: 2211096-02

- HD-ONE LX500:
  Kit: 2211113-02
  TX: 2211123-01
  RX: 2211124-01

CORIOMAX MODULES

- CM-HDBT-SC-2OUT-1ETH
  HDBT output module for:
  CORIOmaster C3-540 and
  CORIOmaster mini C3-510
  CORIOmaster micro C3-503

- CM-HDBT-SC-2IN-1ETH
  HDBT input module for:
  CORIOmaster C3-540 and
  CORIOmaster mini C3-510
  CORIOmaster micro C3-503

- CM-HDBT-XSC-2OUT-1ETH
  HDBT output module for:
  CORIOmatrix C3 340 and
  CORIOmatrix mini C3-310

SPECIFICATIONS (LX, DX, LX-500, DX-500)

Supported Video:	HDMI/DVI Video Modes, HDMI 1.4, HDCP Compliant including standard formats @ 60Hz:640x480, 800x600, 1024x768, 1152x864,1280x768, 1280x960,1280x1024, 1360x760, 1366x768, 1600x1200,1680x1050, 1920x1080, 1920x1200 & HDTV: 480p,720p,1080i, & 1080p 4K[1]: 3840x2160p30, 4096x2160p24, 3840x2160p60[2], 4096x2160p60[2] [1]only with DX/LX up to 60m [2]4:2:0
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:	CAT5e, CAT6, CAT6a, CAT6e, CAT7 UTP/STP/FTP (CAT6 or better is recommended)
Bandwidth:	3.4 Gbps
RS-232 Baud Rate (LX):	To 115200bps; Full Duplex
RS-232 Connector (LX):	DB9 Female / DB9 Female
IR Carrier (LX):	36.7, 38.0, or 56.8 kHz modulated emitter output; Bi-directional
Power:	+5 VDC @ 2.6A max each unit Consumption: 1200 mA max
Consumption:	600mA(max) / 1200mA(max)
Dimensions (DX):	3.2" x 1.9" x 1.0" (82 mm x 48.6 mm x 24.8 mm)
Dimensions (LX):	5.1" x 3.5" x 1.2" (130mm x 88 mm x 30mm)
Weight:	DX: 0.3 lb (0.14 kg) each LX: 0.6 lb (0.28 kg) each
Humidity Tolerance:	Up to 95% non-condensing
Operating Temperature:	0 to 55°C
Storage Temperature:	-20 to 85°C
Warranty:	5 years

MAGENTA

by tvONE