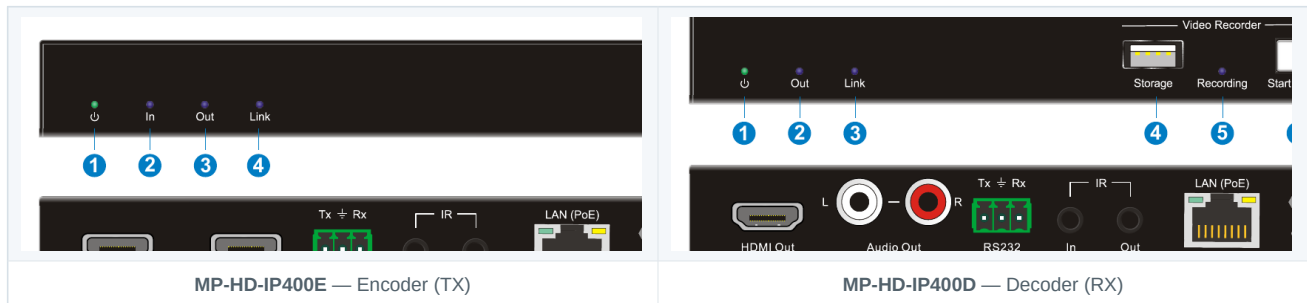


MP-HD-IP400

1080p IP Streaming Encoder / Decoder

Professional AV-over-IP platform for 1080p video distribution. The MP-HD-IP400 uses H.264 encoding/decoding to extend HDMI video, audio, IR and RS232 control over an IP network. It supports point-to-point, one-to-many and scalable many-to-many matrix applications.



Key Features

- Supports **H.264 encoding and decoding**.
- 1080p video over IP with output scaling to **720p or 1080p**.
- **PoE supported** — encoder and decoder can be powered by a PoE switch.
- Supports video extension, distribution and **video matrix** applications.
- GUI-based video live preview and network video broadcasting.
- Supports video recording; decoder includes USB storage and recording control.
- Encoder provides **HDMI loop-out**; audio breakout is supported.
- Supports **RTSP, RTP, HTTPFLV, UDP and TCP** protocols.
- Supports **Unicast and Multicast**.

Connection Types

Extender Point-to-Point	No switch required. Extend video and RS232/IR control over a single Cat-x cable, up to 1080p@60Hz.
Splitter One-to-Many	One encoder and a 100 Mbps-or-higher Ethernet switch distribute A/V to multiple decoders and displays.
Matrix Many-to-One / Many-to-Many	Scalable routing of video, audio, RS232 and IR between sources and endpoints.

Technical Specifications

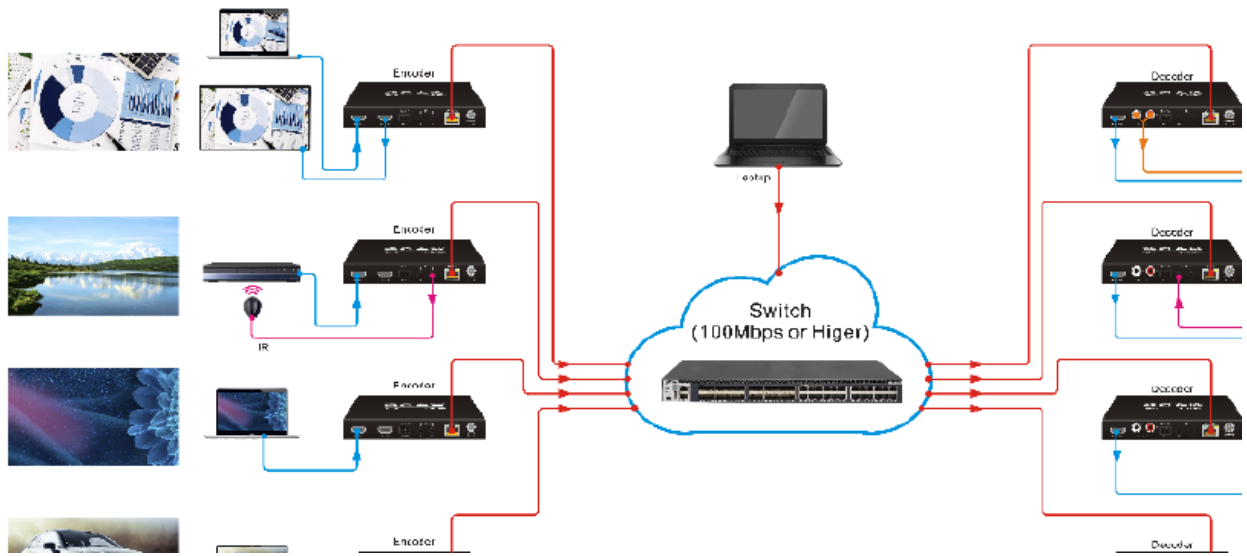
	MP-HD-IP400E — Encoder (TX)	MP-HD-IP400D — Decoder (RX)
Video	1 × HDMI In	1 × HDMI Out
Video Connector	Type-A female HDMI	Type-A female HDMI
HDMI Resolution	Up to 1080p@60Hz, 4:4:4, 10/12-bit	Up to 1080p@60Hz, 4:4:4, 10/12-bit
Control	RS232, IR In, IR Out, LAN (PoE)	Storage, RS232, IR In, IR Out, LAN (PoE)
Control Connectors	1 × 3-pin terminal block; 2 × 3.5mm jack; 1 × RJ45	1 × Type-A USB; 1 × 3-pin terminal block; 2 × 3.5mm jack; 1 × RJ45
Audio	Audio breakout supported	1 × Audio Out (L+R), RCA
Encoding Standard	H.264	H.264
Power	AC 100–240V, 50/60Hz input; 12V DC 1A output; PoE supported	AC 100–240V, 50/60Hz input; 12V DC 1A output; PoE supported
Power Consumption	4W max.	3.5W max.
Operating Temperature	-5°C to +55°C	-5°C to +55°C
Storage Temperature	-25°C to +70°C	-25°C to +70°C
Relative Humidity	10%–90%	10%–90%
Dimensions (W×H×D)	152.0 × 21.0 × 100.0 mm	152.0 × 21.0 × 100.0 mm
Net Weight	340 g	345 g

System Diagram

Typical IP streaming architecture showing HDMI, audio, Cat-x and IR control paths through an Ethernet switch.

4.2 System Diagram

The following diagram illustrates typical input and output connections that utilized with the IP streaming encoder/decoder:



Source: Supplied MP-HD-IP400 User Manual. Product visuals and system topology are reproduced from the supplied manual.