

# AT-HS-8L

## HDMI Splitter Extender | HDMI 1×8 Splitter over CAT6 (70m)

HDMI 1×8 splitter extender over single CAT6 cable — 4K@30Hz up to 40m, 1080p up to 70m, with HDMI loop output, IR pass-through, 12V POC, EDID management, and HDCP 1.4 compliance.



4K30 / 1080p

1×8 CAT6

70m Extend

HDMI Loop Out

IR Pass-Through

12V POC



The ATVI AT-HS-8L distributes one HDMI source to 8 remote displays over single CAT6 cables, extending 4K@30Hz to 40m and 1080p@60Hz to 70m. It includes 1 HDMI input, 1 HDMI loop output, 8 CAT outputs, 8 compact receivers, IR pass-through, 12V POC (transmitter to receiver), and advanced EDID management in a metal 1U chassis.

|                                                |                          |                                  |
|------------------------------------------------|--------------------------|----------------------------------|
| <b>Extend Distance</b><br>Up to 70m (CAT6)     | <b>CAT6 Outputs</b><br>8 | <b>HDMI Loop</b><br>1 × HDMI Out |
| <b>Audio Formats</b><br>LPCM 7.1 / Dolby / DTS | <b>HDCP</b><br>1.4       | <b>Power</b><br>12V/2.5A (POC)   |

### IDEAL FOR

#### Classrooms

4K content to 8 displays over single CAT6 runs up to 70m

#### Lecture Halls

Extended HDMI distribution with IR control for large venues

#### Digital Signage

Long-distance HDMI splitting for retail and commercial displays

#### Multi-Room AV

Distribute 4K video across building with POC-powered receivers

PRODUCT DESCRIPTION

The ATVI AT-HS-8L is an HDMI 1×8 splitter extender that distributes one HDMI source to 8 displays over single CAT6 cables. It supports video up to 4K2K@30Hz (4:4:4 8-bit), extends 4K@30Hz to 40m and 1080p@60Hz to 70m, and includes 1 HDMI loop output for a local monitor — all with HDMI 1.4 and HDCP 1.4 compliance.

The transmitter features 1× HDMI IN, 1× HDMI loop OUT, 8× CAT6 outputs, 1× IR OUT (3.5mm), EDID DIP switch, and Micro USB firmware update port. Each compact receiver provides 1× CAT IN (RJ45), 1× HDMI OUT, and 1× IR IN (3.5mm). Audio formats include LPCM 7.1CH, Dolby TrueHD, and DTS-HD Master Audio.

Powered by an AI audio 3A algorithm (AEC / ANC / AGC), the 8-MEMS beamforming microphone array delivers 8-meter pickup range with full-duplex clarity. Group framing, speaker tracking, and presenter tracking are all AI-driven, automatically adjusting camera composition to meeting dynamics. POE cascade support allows expansion to up to 3 M702 array microphones for large venue installations.

- **70m**  
Extend Range
- **1×8**  
CAT6 Split
- **LPCM**  
7.1 / Dolby / DTS
- **HDMI**  
Loop Output
- **12V**  
POC
- **EDID**  
DIP Switch

PRODUCT KEY FEATURES



**1×8 CAT6 Distribution**

Distributes one HDMI source to 8 remote displays over single CAT6 cables with 4K@30Hz at 40m and 1080p@60Hz at 70m range.



**HDMI Loop Output**

Dedicated HDMI loop output provides a local monitor connection at the transmitter without consuming a CAT output port.



**IR Pass-Through**

One-way IR control signal pass-through from receiver to transmitter enables remote control of the source device from any display location.



**12V POC**

Power over Cable from transmitter to receivers eliminates the need for separate power supplies at each display, simplifying installation.



**EDID Management**

Advanced EDID management via 4-pin DIP switch ensures the source outputs the optimal resolution and audio format for all connected displays.



**Premium Audio Support**

Full support for LPCM 7.1CH, Dolby TrueHD, and DTS-HD Master Audio for high-quality surround sound distribution.



**ESD Protection**

IEC 61000-4-2 certified: ±8kV air-gap and ±4kV contact discharge protection for reliable surge safety in all installations.



**Firmware Upgradeable**

Micro USB port on the transmitter enables firmware updates for future compatibility and feature enhancements.



**Compact Metal Design**

Metal transmitter (295 × 82 × 18mm, 628g) and compact receivers (79.5×69×16.5mm, 130g) with mounting ears for flexible installation.

## TECHNICAL SPECIFICATIONS

### VIDEO SPECIFICATIONS

|                       |                                               |
|-----------------------|-----------------------------------------------|
| HDMI Compliance       | HDMI 1.4                                      |
| HDCP Compliance       | HDCP 1.4                                      |
| Video Bandwidth       | 297MHz / 10.2Gbps                             |
| Max Resolution        | 4K2K @ 30Hz (4:4:4, 8-bit)                    |
| Colour Depth          | 8/10/12-bit (1080p@60); 8-bit (4K30)          |
| Colour Space          | RGB, YCbCr 4:4:4/4:2:2, YUV 4:2:0             |
| Audio Formats         | LPCM 7.1CH, Dolby TrueHD, DTS-HD Master Audio |
| Transmission Distance | 1080p@60Hz: 70m; 4K@30Hz: 40m (CAT6)          |
| ESD Protection        | IEC 61000-4-2: ±8kV air-gap, ±4kV contact     |

### TRANSMITTER CONNECTIONS

|                  |                                 |
|------------------|---------------------------------|
| HDMI Input       | 1 × HDMI Type-A (19-pin female) |
| HDMI Loop Output | 1 × HDMI Type-A (19-pin female) |
| CAT6 Outputs     | 8 × RJ45                        |
| IR Output        | 1 × 3.5mm Stereo Mini-jack      |
| EDID DIP Switch  | 1 × 4-pin                       |
| Firmware Update  | 1 × Micro USB                   |

### RECEIVER CONNECTIONS

|             |                                 |
|-------------|---------------------------------|
| CAT6 Input  | 1 × RJ45 (8-pin female)         |
| HDMI Output | 1 × HDMI Type-A (19-pin female) |
| IR Input    | 1 × 3.5mm Stereo Mini-jack      |
| POC         | 12V (from transmitter)          |

### GENERAL

|                   |                               |
|-------------------|-------------------------------|
| TX Dimensions     | 295 × 82 × 18mm (W×D×H)       |
| RX Dimensions     | 79.5 × 69 × 16.5mm (W×D×H)    |
| TX Weight         | 628g                          |
| RX Weight         | 130g                          |
| Power Supply      | 12V/2.5A DC (CE/FCC/RoHS)     |
| Power Consumption | 19.2W                         |
| Operating Temp.   | 0°C ~ 40°C                    |
| Storage Temp.     | -20°C ~ 60°C                  |
| Humidity          | 20% ~ 90% RH (non-condensing) |
| Housing           | Metal Enclosure, Black        |

### PACKAGE CONTENTS

|             |                                                     |
|-------------|-----------------------------------------------------|
| Transmitter | 1 × HDMI 1×8 Splitter                               |
| Receivers   | 8 × CAT Receiver                                    |
| IR Cables   | 1 × IR Blaster (1.5m), 8 × IR Receiver Cable (1.5m) |
| Power       | 1 × 12V/2.5A DC Locking Power Adapter               |
| Accessories | 2 × Mounting Ears, Screws, User Manual              |

## APPLICATION EXAMPLE

