

Model : ATZ HDMI-HM-AX

Description: HDCP 2.3 adjuster and EDID trouble shooter with audio extractor



This is a 4K video de-embedder which supports 5v power supply from the HDMI input source and delivers lossless 4K@60Hz RGB signal pass-through. Equipped with DIP switches for output EDID management, it enables intelligent signal output configuration to resolve EDID compatibility issues.

It incorporates HDCP 2.3/1.4 stripping functionality to address encrypted signal challenges, while also providing 3.5mm analog audio de-embedding capabilities. Suitable for scenarios requiring cross-generation device collaboration, such as radio and television production, medical imaging, and digital signage. It ensures seamless signal connection through hardware-level processing.

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Features:

- Supports HDMI 2.0, resolution up to 4096x2160@60Hz
- Supports audio de-embedding
- Supports EDID management
- Supports visual LED indicator to indicate power working status removal
- Converts HDCP 2.3 to HDCP 1.4
- Converts HDCP 2.2 to HDCP 1.4
- Separate Right & Left Audio Output
- Eliminates Incompatibilities between source & TVs
- Tiny Hum Proof Metal Enclosure w/Mounting Clips
- Top Lettering for a Simple & Fast Install
- Source HDMI powered so you do not need an AC adapter
- Includes an optional Power Supply, if needed

Specifications:

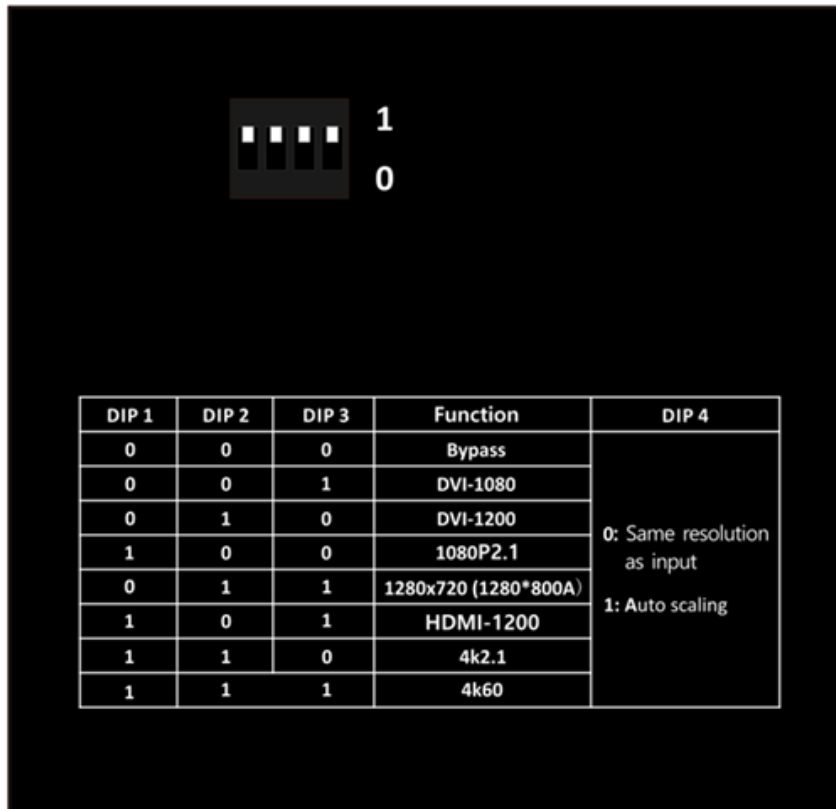
Input	1 x HDMI
Output	1 x HDMI, 1 x analog audio
Protocol Standards	Supports HDMI1.4, HDCP1.4, HDMI2.0, HDCP2.2
Color Space	Support RGB444, YUV444, YUV422, x.v.Color standard extension
Resolution	640x480, 3840x2160@60Hz (VESA), 480i, 4K@60Hz (HDTV)
Control	DIP switch
Power Supply	DC: 12v 1.5a

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Operation Controls and Functions:

DIP Switch:



Features EDID management via a 4-pin DIP switch.

Pins 1-3 are used to select the built-in EDID mode.

Pin 4 determines the output resolution behavior:

- when set to 0, the output resolution follows the input source.
- when set to 1, the output automatically adapts to the resolution of the downstream display.

Code	Resolution & Format
000	EDID Pass-Through
001	DVI - 1920x1080P60
010	DVI - 1920x1200P60
100	1920x1080P60
011	1280x720P60
101	1920x1200P60
110	4K30 / 2.1
111	4K60 / 2.1

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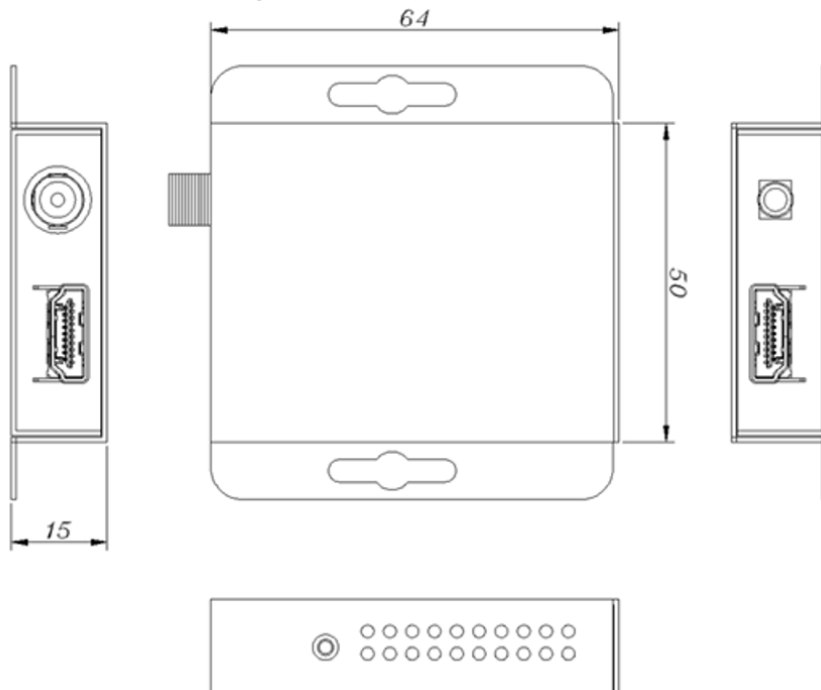
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Operational Precautions:

The device supports power supply via the DC power interface, HDMI input interface, or both interfaces simultaneously.

1. When powering via the DC power interface, you must first connect the DC power supply before connecting the input and output signal sources.
2. When powering via HDMI, the connection sequence is: first connect the HDMI signal source, then connect the HDMI receiving device. If the device is powered on via HDMI but no image is displayed, it may be due to insufficient power supply from the HDMI port. In this case, you need to disconnect all cables and follow the procedure in Item 1.

Product Drawing:



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Product Pictures:



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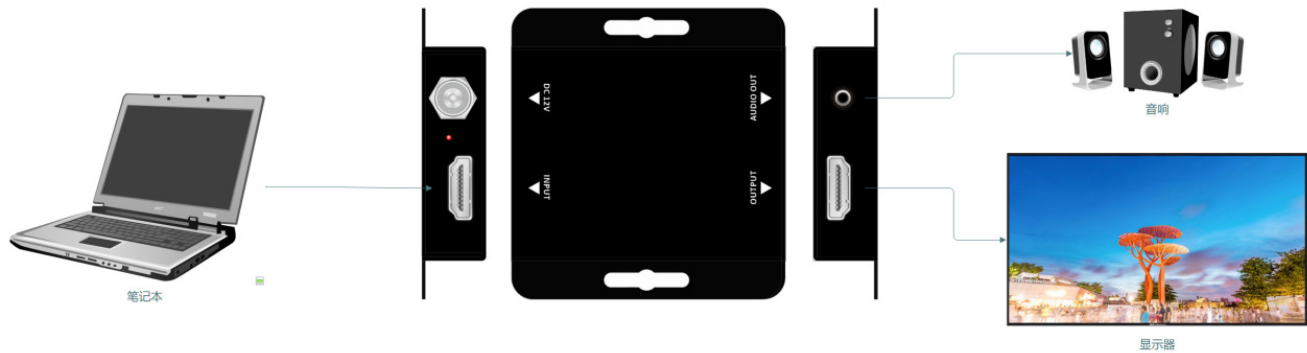
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Application Diagram:



Packaging Contents:

- 1 x ATZ HDMI-HM-AX
- 1 x Power Adapter

Warranty: 2 Years

Warranty is effective from the date of original delivery.

This warranty shall be void if a serial number has been removed from the product.

HDMI

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