

# HDMI Data Blocker



Allows video only to pass through

The HDMI Data blocker is designed so that only the HDMI video content passes through the device and not the associated data aspects. The device simulates the HDMI handshake between the PC and display that is used to synchronise resolutions by choosing the correct settings on incoming and outgoing selector switch. All of the datapaths are terminated at the input to the device. A rotary switch is located on input and output of the device. The input rotary switch allows selection one of seven common E-EDID formats so that when a host interrogated what display it is connecting to the HDMI Data Blocker will respond with a valid code. Similarly on the output side when the device is connected in the HDMI path it will respond to the display giving a valid host code.



The HDMI blocker negates the Control I<sup>2</sup>C line, Display Data channel (DDC) and Status & Control Data Channel (SCDC) feeds so these digital streams cannot connect directly or indirectly to the video wall processor, distribution matrix, video conferencing system or display. Similarly the embedded audio and ethernet functionality is barred access through the HDMI blocker.

The device only re-clocks the TMDS channels and transmits a synchronising clock to ensure a stable image.

## Product Information

On each side of the HDMI Data Blocker a rotary dip switch is installed next to each HDMI socket for responding back to the host device on the input side and the second on the video passthrough side for display response required by the HDMI protocol.

### Display Settings

Setting	Display
1	Full HD
2	LG 49VL7D
3	LG 55VX1D
4	4K Generic
5	Samsung VH55R-R
6	HD Generic
7	NEC UN464

### Source Settings

Setting	Client
1	HD Generic
2	4K Generic
3	Datapath Image DP4
4	Nvidia RTX 2080
5	Nvidia GTX 1650
6	Matrox 680
7	Matrox 980

### Solutions

On request different display and client settings can be embedded into the device to provide special protocols to be acknowledged.

