

DATASHEET

HDMI HDBiT Matrix Extender Transmitter, max. 120m, over IP



General data

Transmitter unit (TX) for HDMI HDBiT over IP matrix.

Together with the receiver, it allows the distribution and switching of the high definition audio / video signal and the standard IGMP switch. Apply advanced HDBiT technology, the supported resolution is up to 4Kx2K @ 30Hz ultra HD. It can also be used in a point-to-point connection, the distance is up to 120 meters. It is widely applied in digital signage advertising, control rooms, command centers, exhibition and entertainment center, security monitoring system, etc.

• **Not compatible with previous versions of the product**

Features

Plug and play

Advanced HDBiT over IP technology

Transmission distance of 120 meters via CAT6

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Resolution supported up to 4Kx2K @ 30Hz ultra HD

Supports scalable and flexible input-output matrix configuration; supports 100 inputs to infinite outputs

Select and change the input of the source device from the receiver by remote control or button

Supports IR pass-back function to control source device from RX position

Supports the computer control software to select and change the input of the source device

Technical specifications

HDMI signal

HDMI1.4, HDCP compatible

28Mbps network bandwidth

Supported HDMI input resolution:

480i @ 60Hz, 480p @ 60Hz, 576i @ 50Hz, 576p @ 50Hz,

720p @ 50 / 60Hz, 1080i @ 50 / 60Hz, 1080p @ 50 / 60Hz,

4Kx2K @ 24/25 / 30Hz

Supported audio format: L / R stereo audio

TMDS signal: 0.7 ~ 1.2Vp-p

DDC signal: 5Vp-p

Remote control supported

IR passback: supports 20 ~ 60KHz IR devices

Matrix configuration: you can connect up to 100 source signals and switch to infinite outputs

Voltage / current: 5V / 2A

Power consumption: TX≤6W

Weight: TX: 320 g

Colour: black

Dimensions

Width: 164 mm

Depth: 107.6 mm

Height: 23.6 mm

Environmental characteristics

Operating temperature: 0 ~ 60 ° C

Storage temperature: -20 ~ 70 ° C

Humidity: 0 ~ 95% (non-condensing)

Certifications

CE

FCC

RoHS

WEEE

Package Contents

1x HDMI Matrix Transmitter

1x Receiver extension cable

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1x Instructions for use
1x DC 5V / 1A power supply

Technical properties

Suitable for 19 inch mounting	False
Video norm	Colour PAL

Available variants

ArtNr.	Bezeichnung	Number of camera inputs	Number of monitor outputs
IDATA-HDMI-MX683T4	HDMI HDbiT Matrix Extender Transmitter, max. 120m, over IP	1	1

Note on Intended Use

This data sheet is intended solely to describe the technical characteristics of the product. It does not replace an assessment of the product's suitability for a specific application. The user is responsible for ensuring that the product is used in accordance with its technical specifications and applicable legal and regulatory requirements.

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