



## KA086 HDMI MATRIX EXTENDER V2.0 100METER



This HDbiT HDMI Extender Matrix includes a transmitter unit(TX) and a receiver unit(RX). It allows for the distribution and switching of high definition video/audio signal by this product and off-the-shelf IGMP switch. It applied advanced HDbiT technology, the resolution supported is up to 4Kx2K@60Hz ultra HD. It can also used in a point-to-point connection, the distance is up to 120 meters. It is widely applied in digital signage advertisement, control room, command centers, entertainment and exhibition center, safety monitoring system, etc.

### Features

1. Resolution supported is up to 4Kx2K@60Hz ultra HD.
2. Transmission distance is up to 120 meters via CAT6.
3. Support IR pass back function to control source device from RX location.
4. Offer scalable and flexible input-output matrix configuration, allows 100 input to infinite output.
5. Support computer control software to select and switch source device input.
6. Plug and play.
7. Support to select and switch source device input from receiver via remote control and hard button.
8. Support APP control, user can scan, preview, build up their configuration by using a phone/tablet easily.

\*\*\* ***This product can be matched with KA084CON to create matrix controlled by phone app.***

Items	Specification
Voltage/Current	DC5V/3A
Power consumption	TX: 7W RX: < 10W
HDMI compliance	HDMI2.0
HDCP compliance	HDCP2.2
HDMI input resolution	480i@60Hz, 480p@60Hz, 576i@50Hz, 576p@50Hz, 720p@50/60Hz, 1080i@50/60Hz, 1080p@50/60Hz,4Kx2K @24/25/30/60Hz
HDMI output resolution	1080p@60Hz, 4Kx2K@30/60Hz
Supports audio formats	PCM
Maximum transfer rate	18Gbps
Input and output TMDS signal	0.7 ~ 1.5Vp-p(TMDS)
Input and output DDC signal	5Vp-p(TTL)
Input cable length	≤5m(AWG26)
Output cable length	≤5m(AWG26)
APP control	Support APP control, user can scan, preview, build up their configuration by using a phone/tablet easily, OS system supports IOS and Android
IR remote control	Supports IR passback with 20~60KHz frequency
Transfer method	Over UTP/STP CAT5/5e/6
Transmission distance	120 Meters
Connector	RJ45
Delay	≤200 ms
Electrostatic protection of the whole machine	1a Contact discharge level 3 1b Air discharge level 3 Standard: IEC61000-4-2
Working temperature	0 ~ 50°C
Storage temperature	-10 ~ 70°C
Humidity (nocondensation)	0 ~ 90%
Dimension	164(L) x108.5(W) x 23.6(H)mm
Material	Iron alloy material + crystal panel
Finishing	Grit blast
Color	Black
Weight	TX:330g, RX:330g
Mean time between failures (MTBF)	>30000 Hours

## Connections



