HMX 431 Kit

4K Ultra HD Home Distribution Hub

TRIAX HMX 431 Kit enables 4K content from 4 HDMI devices to be viewed and controlled simultaneously at 4 locations.

Kit includes:
1 x 4K HMX431 Matrix
4 x Remote Controls
4 x IR Receivers
4 x IR Emitters
1 x RS232 Cable
3 x HDBaseT Receivers
1 x Power Adaptor

Art. No. 310069

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- Supports HDMI 1.4 & HDCP 2.2 and is backwards compatible with all previous standards
- Transmits 4Kx2K@60Hz 4:2:0 & 1080p 3D
- Supports manual HDCP management and auto-detecting
- Transmits 4Kx2K signal for 8m via HDMI port, 40m via HDBT port
- Audio source selectable via RS232 command
- 3 HDBaseT outputs, up to 70m at 1080p and 40m at 4Kx2K on a single CAT5e/6 cable can be achieved
- LED indicators show real-time switching status
- Controllable via front panel, RS232, IR and TCP/IP

- The HDBaseT Receivers are powered by the matrix switcher 12VDC by PoC technology
- Supports bi-directional IR control
- Built-in GUI for TCP/IP control
- Powerful EDID management
- Supports non-volatile memory [NVM] for reliable operation
- Supports firmware upgrade through Micro USB port
- Easy installation with rack-mounting design

4K HDBaseT Matrix   Artr. No. 310069

Video Input		Audio general	
Input	4 HDMI	Output Signal	Stereo audio
			Digital audio
Input Connector	Female HDMI	Analog Audio Output	Support PCM
Input Level	T.M.D.S. 2.9V~3.3V	Digital Audio Output	Supports PCM-Dolby-DTS-DTS-HD
Input Impedance	100Ω (Differential)	Frequency Response	20Hz~20KHz
HDMI Standard	Support HDMI1.4 & HDCP2.2 and is backward compatible with all previous standards.	Output Connector	1 L&R(RCA) 1 SPDIF
Video Output		Control Parts	
Output	1 HDMI – 3 HDBaseT	Control Ports	4 IR OUT / 3 IR IN / 1 IR EYE 1 TCP/IP (female RJ45) 1 RS232
Output Connector	Female HDMI Female RJ45(with LED indicators)	Panel Control	Front panel buttons
Output Level	T.M.D.S. 2.9V~3.3V	RS232 Control	3-pin pluggable terminal block
Output Impedance	100Ω (Differential)	IR	Extended IR receiver
HDMI Standard	Support HDMI1.4 & HDCP1.4 and is backward compatible with all previous standards.	TCP/IP Control	Web-based GUI
Video general		General	
Video Signal	HDMI (or DVI-D)	Power Supply	Input: 100-240V~, 50/60Hz Output: DC 24V 2.71A
Transmission Distance	1080P@60Hz ≤70m 4Kx2K@60Hz ≤40m	Power Consumption	35W (Max)
Resolution Range	Up to 4Kx2K@60Hz	Temperature	0~ +50^0
EDID Management	In-built EDID data and manual EDID management	Reference Humidity	10% ~ 90%
Gain	0 dB	Dimension (W*H*D)	360mm x 28mm x 150 mm
Bandwidth	10.2Gbit/s	Net weight	910g
Switching Speed	200ns (Max.)		

HDBaseT Receiver

Input & Output	
Input	1 HDBaseT
Input Connector	Female RJ45 (with LED indicators)
Output	1 HDMI
Output Connector	Female HDMI
Control	1 IR IN / 1 IR OUT
Control Connector	3.5mm mini jacks

General			
Resolution Range	Up to 4K×2K@60Hz	Humidity	10% ~ 90%
		Temperature	0~ +50^{0}C
Transmission Mode	HDBaseT	Power Supply	Powered by 4K HDBaseT Matrix Switcher
Transmission Distance	1080P@60Hz ≤70m 4Kx2K@60Hz ≤40m	Dimension (W*H*D)	61mm x 24mm x 120mm
Bandwidth	10.2Gbps	Net Weight	280g
HDMI Standard	Support HDMI1.4 and HDCP1.4		

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