

ANY SIGNAL ANYWHERE

AVG-CSK4K-44 Matrix Switcher 4K HDBaseT 4x4



This product is a professional 4K HDBaseT Home Distribution Matrix Kit, which consists of a 4K HDBaseT Matrix Switcher, 3 HDBaseT Receivers and all accessories required for a standalone system. This system is also capable of being fully integrated into a whole home control system solution.

Features

- Supports HDMI 1.4 & HDCP 2.2, is compliant with lower standards.
- Supports manual HDCP management and auto-detection
- Transmits 4Kx2K signal for 8m via HDMI port, 40m via HDBT ports
- Audio source selectable via an RS232 command
- 3 HDBaseT outputs, distances up to 70m at 1080p and 40m at 4Kx2K on a single CAT6
- The HDBaseT Receivers are powered by the matrix switcher, 12VDC via PoC technology
- LED indicators show real-time switching status.
- Control via front panel, RS232, IR and TCP/IP
- Supports bi-directional IR control
- Built-in GUI for TCP/IP control
- Powerful EDID management

Specifications

Video Input		Video Output	
Input	4 HDMI	Output	2 HDMI 4 HDBaseT
Input Connector	Female HDMI	Output Connector	Female HDMI Female RJ45(with LED indicators)
Input Level	T.M.D.S. 2.9V~3.3V	Output Level	T.M.D.S. 2.9V~3.3V
Input Impedance	100Ω (Differential)	Output Impedance	100Ω (Differential)
Video General			
Gain	0 dB	Bandwidth	10.2Gbit/s
Video Signal	HDMI (or DVI-D)	Resolution Range	Up to 4Kx2K@60Hz
Transmission Distance	1080P@60Hz ≤70m 4Kx2K@30Hz ≤40m	Switching Speed	200ns (Max.)
EDID Management	In-built EDID data and manual EDID management		
HDCP	Supports HDCP 2.2, auto and manual HDCP management.		
Audio General			
Output Signal	Stereo audio Digital audio	Output Connector	4 3-pin pluggable terminal blocks 4 Coax (RCA)
Stereo Output	Earphone output: distortion 0.1% 32Ω/70mW@1KHz, 0.1% 16Ω/105mW @1KHz, support PCM		
Coax Output	Supports PCM, Dolby Digital, DTS, DTS-HD		
Frequency Response	20Hz~20KHz		
Control			
Control Ports	4 IR OUT (green) 4 IR IN (black) 1 IR EYE (black) 1 TCP/IP (female RJ45) 1 RS232 (9 pin female D)		
Panel Control	Front panel buttons	RS232 Control	9-pin female RS232 connector
IR	Built-in IR sensor Extended IR receiver	TCP/IP Control	Web-based GUI
General			
Power Supply	DC 24V 2.5A	Power Consumption	48W (Max)
Temperature	0 ~ 50°C	Reference Humidity	10% ~ 90%
Dimension (W*H*D)	437 x 44 x 235 mm (1U high, full rack wide)	Weight	2.0Kg