

Introduction

This is a 1-card 1-port 4K60 HDR output card to be used on the 9x9, 16x16, 18X18 and 36x36 modular chassis matrix, it can support 4-PIN DIP switch for the signal enhancement or scaling and 3.5m audio de-embedded.

Features

- Resolution up to 4K60
- Supports 4-PIN DIP switch for the signal enhancement or scaling
- Supports 3.5mm audio de-embedded
- Can work with the 9x9, 16x16, 18X18 and 36x36 Card Cage chassis

Specification

Audio and Video	
Outputs	1x HDMI in: 19-pin type-A; 4xAudio in: 3.5mm jack
Scaling	4-PIN DIP switch for the signal enhancement or scaling
Latency	15 to 30ms(miliseconds)
Audio Formats	2ch PCM: DTS-HD Master, TrueHD, no ARC, no Dolby Atoms
Video Resolutions and cable distance(AWG 26)	1920x720P60hz 12 bit, cable length is up to 15m/40ft
	1920x1080P30hz 12 bit, cable length is up to 15m/40ft
	1920x1080P60hz 12 bit, cable length is up to 15m/40ft
	3840x2160P30hz 8 bit, cable length is up to 10m/30ft
	3840x2160P60hz 8 bit, cable length is up to 8m/20ft
Standards/Protocol	HDMI2.0, HDCP2.2, HDCP2.3
Maximum Pixel Clock	HDMI: 296Mhz
Communication And Control	
HDMI	HDCP2.2/2.3, EDID
Power	
Power Supply	Internal to/from matrix
Consumption	3W

4-DIP red switch on the board

HDR Output card with audio out				
DIP 1	DIP 2	DIP 3	Function	DIP 4
0	0	Bypass	**1:** Signal Enhancement enable **0:** Signal Enhancement disable	Null, no functions
0	1	Froce 4K30/50/60 to 1080p30/50/60 output 1080p will be bypass		
1	0	Froce 4K50/60 420 to 4K50/60 444 output		
1	1	Force YUV to RGB		

