VW7842 2 Channel HDMI 4K Input Card



Feature

- Support 2 channels HDMI-A interface seamless input, 3.5mm audio jacket.
- Support hot-swap
- Audio video signal synchronized switching.
- Selectable analog audio or HDMI built-in audio input
- Support EDID reading function.
- Maximum resolution: 4K×2K@30Hz.

Specification

Model Specifications	**VW7842**
Protocol	
HDMI1.4a, HDCP1.3protocol, DVI1.0 protocol;	
Video	
Gain	0dB
Pixel bandwidth	297MHz, all-digital
Interface bandwidth	4.5Gbps, all-digital (13.5Gbps in all, each color is 4.5Gbps)
Supported resolution	800x600@60,1024x768@60,1280x720@60,1280x768@60，1280x800@60，1280x960@60，1280x1024@60,1360x768@60, 1366x768@60,1440x900@60,1600x900@60,1600x1200@60, 1920x1080@25,1920x1080P@30,1920x1200P@60,1920x1080P@60, 1920x1080i@50,1920X1080i@60;4Kx2K@30Hz
Clock Jitter	<0.15 Tbit
Rise time	<0.3Tbit (20%--80%)
Fall time	<0.3Tbit (20%--80%)
Maximum transmission delay	5nS(±1nS)
Interface	Two-way HDMI-A interface, Two-way 3.5mm audio jacket
Signal strength	T.M.D.S. +/- 0.4Vpp
Minimum/maximum signal level	T.M.D.S. 2.9V/3.3V
Impedance	50 Ω
EDID	Default EDID and reading function N/A

Maximum DC bias error	15mV
Suggested maximum input/output transmission distance	Maximum transmission distance is 35 meters with 1600x1200@60 (recommend to use certified HDMI dedicated wires, such as Molex TM wire)
Product weight	About 0.5KG
Maximum consumption	50W