VW7804 4-Channel HDMI Input Card



Feature

- Four-way HDMI-A interface, 3.5 audio input port and 3.5 audio output port
- Maximum transmission distance can reach 35 meters
- Support hot plugging, support seamless switch of audio and video together
- Support analog audio, support HDMI embedded audio be input selectively
- Support analog audio extract out from HDMI input
- Support EDID reading function
- Support HDMI1.3a, HDCP1.3 protocol, DVI1.0 protocol
- Maximum supported resolution:
  HDPC：1920x1200P@60
  HDTV：1920x1080P@60

Specification

Model **Specifications**	**VW7804**
Protocol	
HDMI1.3a, HDCP1.3protocol, DVI1.0 protocol;	
Video	
Gain	0dB
Pixel bandwidth	165MHz, all-digital
Interface bandwidth	2.25Gbps, all-digital (6.75Gbps in all, each color is 2.25Gbps)
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
Clock Jitter	<0.15 Tbit
Rise time	<0.3Tbit (20%--80%)
Fall time	<0.3Tbit (20%--80%)
Maximum transmission delay	5nS(±1nS)
Interface	Four-way HDMI-A interface, four-way 3.5mm audio base
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	15W