

Functional Overview

VEXTD-1011 HDMI 35 Long Line Driver can support long-distance transmission of HDMI signals with no attenuation. The maximum transmission distance is up to 36 meters, and it ensures high-definition images within long distance application range. No additional wiring and transmitting and receiving system is needed, easy to use.

Features

- ◆ Small, easy to use, no need to set;
- ◆ Input transmission distance up to 36 meters;
- ◆ Output transmission distance up to 7 m;
- ◆ 1 Channel signal input, 1 channel signal output;
- ◆ Input support for Windows, Plug and Play;
- ◆ Support the highest resolution

Normal PC: 1600x1200@60_24bit
 HDCP: 1920x1200@60_24bit
 HDTV: 1920x1080@60_36bit

Panel Description



① **HDMI INPUT**—HDMI HD video input port, HDMI interface to connect peripheral devices like HDMI HD video signal source, such as, the HDMI interface PC and so on.

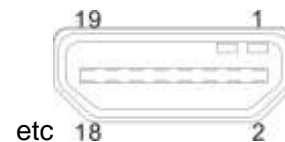
② **System power input**—DC 12V power input adaptive.

③ **HDMI OUTPUT**—HDMI HD video output

port, a HDMI interface to connect peripheral devices like HDMI HD video signal source, such as HDMI interface projector, etc.

HDMI-A Type Line Description

The user can connect various computer signals, audio and video signal equipment according to different occasions, such as DVD players, desktop computer, a graphics workstation, digital showcase, etc. output terminals can be connected to the projector, video recorders, computer monitors, power amplifier



HDMI-A Interface pin definition table

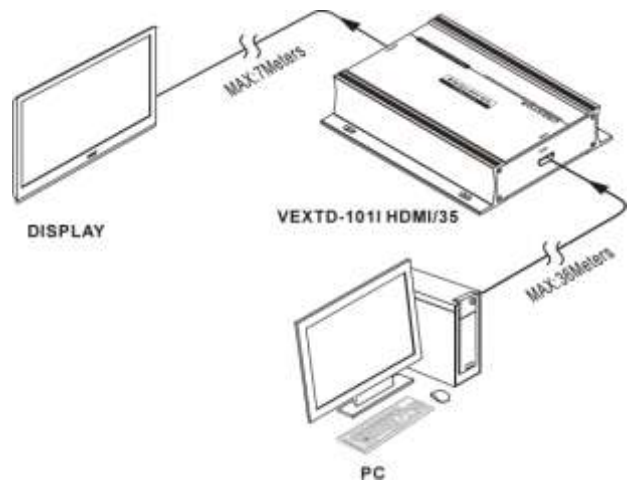
PIN	function
1	TMDS Data2+
2	TMDS Data2 Shield
3	TMDS Data2-
4	TMDS Data1+
5	TMDS Data1 Shield
6	TMDS Data1-
7	TMDS Data0+
8	TMDS Data0 Shield
9	TMDS Data0-
10	TMDS Clock+
11	TMDS Clock Shield
12	TMDS Clock-
13	CEC
14	Reserved (in cable but N.C. on device)
15	SCL
16	SDA
17	DDC/CEC Ground
18	+5V Power
19	Hot Plug Detect

Technical parameters

Model Technical Specifications	VEXTD-1011 HDMI 35
protocol	
Compatible with the HDMI1.3's standards, HDCP1.3 agreement, DVI1.0 protocol.	
Video	
Gain	0 dB
Pixel Bandwidth	165MHz, All-digital
Interface Bandwidth	2.25Gbps,all-digital
Block Jitter	<0.15 Tbit
Rise time	<0.3Tbit (20%--80%)
Fall time	<0.3Tbit (20%--80%)
Maximum Propagation Delay	5nS(±1nS)
Signal Type	T.M.D.S. signal in HDMI 1.3 specification; DVI1.0 protocol
Video Input	
Interface	HDMI-A female interface
Signal Strength	T.M.D.S. +/- 0.4Vpp
Minimum Maximum level	T.M.D.S. 2.9V.3.3V
Impedance	50 Ω
Maximum DC Bias error	15mV
Recommended Maximum input distance	Less than 36 meters, AWG 28 #, 1920x1200 @ 60 (Recommended to use authenticated DVI special wire, such as Molex TM wire)
Video output	
Interface	HDMI-A female interface
Minimum Maximum Level	T.M.D.S. 2.9V.3.3V

Model Technical Specifications	VEXTD-1011 HDMI 35
Impedance	50 Ω
Recommended maximum output distance	Less than 7 meters in 1920x1200 @ 60 (Recommended to use authenticated DVI special wire, such as Molex TM wire)
Specification	
Power Supply	DC +12V
Power	2W
Dimensions	162(L) X 135(W) X 35mm(H)
Product Weight	473g
Temperature	Storage, use temperature: -20 ° ~ +70 ° C
Humidity	Storage, use Humidity: 10% to 90%

Connection diagram



Fault and Maintenance

- 1, The power light is off.
A: It may be poor contact in power lines or plug, replace the cord or reinsert the plug.
- 2, The output lack of color, the power indicator is lit.
A: It may be contact failure in HDMI input or

output signal line, repair or replace the input or output signal lines.

3, The output lack of color, the image is not clear, distortion.

A: It may be that the HDMI input signal long line is non-original HDMI cable, replace with the original HDMI long line.