Functional Overview

VEXTD-101I DVI 35 long line driver can support long-distance transmission of DVI 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.

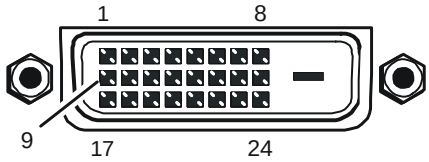
Features

◆ 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
NomalPC:1600x1200@60_24bit
HDPC:1920x1200@60_24bit
HDTV:1920×1080@60_36bit

Panel Description

① **DVI INPUT**——DVI HD video input port, a DVI-D interface to connect peripheral devices like DVI HD video signal source, such as, the DVI interface PC and so on.
② **System power input**-- Support DC 12V power input
③ **DVI OUTPUT**——DVI HD video output port, a DVI-D interface to connect peripheral devices like DVI HD video signal source, such as DVI interface projector, etc.

DVI-D Dual Link Interface Description



PIN	Function
1	T.M.D.S.Data2-
2	T.M.D.S.Data2+
3	T.M.D.S. Data 2/4 Shield
4	T.M.D.S. Data 4-
5	T.M.D.S. Data 4+
6	DDC Clock
7	DDC Data
8	No Connect
9	T.M.D.S.Data1-
10	T.M.D.S.Data1+
11	T.M.D.S.Data1/3 Shield
12	T.M.D.S.Data3-
13	T.M.D.S.Data3+
14	+5V Power
15	Ground (for +5V)
16	Hot Plug Detect
17	T.M.D.S. Data 0-
18	T.M.D.S. Data 0+
19	T.M.D.S. Data 0/5 Shield
20	T.M.D.S.Data5-
21	T.M.D.S.Data5+
22	T.M.D.S. Clock Shield
23	T.M.D. S. Clock +
24	T.M.D.S .Clock-

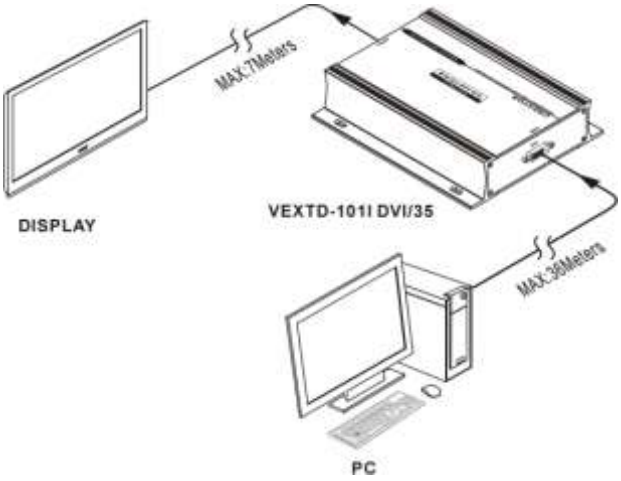
Technical parameters

Model Technical Specifications	**VEXTD-101I DVI 35**
Protocal	
Compatible with the HDMI1.3's standards,	

Model Technical Specifications	**VEXTD-101I DVI 35**
HDCP1.3 agreement, DVI1.0 protocal.	
Video	
Gain	0 dB
Pixel Bandwidth	165MHz, All-digital
Interface Bandwidth	2.25Gbps, all-digital
Clock 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 protocal
Video Input	
Interface	DVI-D 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	DVI-D Interface
Minimum Maximum Level	T.M.D.S. 2.9V.3.3V
Impedance	50 Ω
Recommended Maximum Output	Less than 7 meters in 1920x1200 @ 60 (Recommended to use authenticated DVI special wire,

Model Technical Specifications	**VEXTD-101I DVI 35**
Distance	Such as Molex TM wire)
Specification	
Power supply	DC +12V
Power	2W
Dimensions	162(L) X 135(W) X 35mm(H)
Product Weight	483g
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 DVI 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 DVI input signal long line is non-original DVI cable, replace with the original DVI long line.