

DVI Repeater

User Manual

Model: DE01ERK

DVI CAT5e Extender 70M





Introduction

The DE01ERK is a DVI extender that can use a cost-effective Ethernet cable to carry the signal with a transmission distance of up to 70M. With DVI Adaptors, users can transmit high-quality digital video of PC applications thru one cost-effective CAT5/5e to the remote monitor or projector, instead of using short and expensive DVI cables. Additionally, the passive extender requires no power to enable itself and is suitable for severe environments like factories and construction sites — monitoring the working environment from distance for safety purposes.

Features

- Resolution up to 1920 x 1200.
- Signal extension up to 50M at 1920 x 1200.
- No power is required for both Tx and Rx units.
- Built-in micro USB for external power at Tx unit when connected DVI source can't provide enough power to the receiver.

Diagram



Transmission Distance

When your DVI source cannot provide enough power to the receiver, you can input power via the built-in micro USB port of DE01ET.

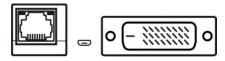
For example, when you connect multiple DE01ERKs to a DVI distributor, the power consumption may exceed the limitation of the DVI device. In this case, please use micro USB to DC plug cable (Package included) to connect a 5V power adaptor (Optional) for external power.

Resolution	Distance (Meter)
1920 x 1200	50
1920 x 1080	50
1600 x 1200	50
1600 x 900	50
1280 x 1024	50
1280 x 720	60
1024 x 768	60
800 x 600	70

Remark: The transmission distance may vary by different PC/Monitor equipment and cable quality.

Panel View

DE01ET



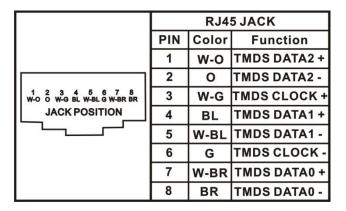
DE01ER





Cable

- To reach long transmission distance and stability, using high quality CAT5E UTP or CAT6 UTP cable is recommended.
- DO NOT use STP or flat cable, which may cause no video output.



LED Indication

Green Status Normal Yellow Loss of Clock Signal

Caution

- The cabling must away from any equipment with electromagnetic wave, i.e.: microwave, radio equipment, high voltage.
- Working distance will be variety based on different equipment.
- The picture may come with noise under the resolution 640 x 480
- HDCP not supported.
- Do not use STP cable or flat cable which may cause no video output.

Specification

DE01ET DVI 1.1 1920 x 1200@60 Hz 50M at 1920 x 1200 1.65 Gbps 1 x 25 Pin DVI-D	DEOIER
1920 x 1200@60 Hz 50M at 1920 x 1200 1.65 Gbps	Tw. DIAE
1920 x 1200@60 Hz 50M at 1920 x 1200 1.65 Gbps	TV DIAE
50M at 1920 x 1200 1.65 Gbps	Lv DIAE
1.65 Gbps	1v DIAE
	1v DIAE
1 x 25 Pin DVI-D	1v DIAE
1 x 25 Pin DVI-D	120145
1	1 x RJ45
1 x RJ45	1 x 25 Pin DVI-D
1 x Micro USB	
DC 5V 1A (Optional)	
320mA	
0 to 55℃	
-20 to 85℃	
Up to 95%	
40.2 x 55.5 x 22.5mm	40.2 x 55.5 x 22.5mm
260g	280g
	1 x RJ45 1 x Micro USB DC 5V 1A (Optional) 320mA 0 to 55°C -20 to 85°C Up to 95% 40.2 x 55.5 x 22.5mm

