

# DVI over CAT5e Extender

## Quick Installation Guide

### 1. Introduction

The DVI over CAT5e Extender extends your PC DVI transmission distance up to 60m with resolution at 1024x768 and 30m at 1600x1200

The Mini DVI Extender includes two identical units: transmitting and receiving units. The transmitting unit is connected to your PC DVI output and the receiving unit is connected to the monitor. While successfully connected, the two LED lights on RJ-45 connector will blink.

### 1-1 Features and Benefits

- Compliant with DVI 1.1
- Extends the transmission distance from the sources up to 60m (200ft) at XGA (1024x768@60Hz)
- Extends the transmission distance from the sources up to 30m (100ft) at UXGA (1600x1200@60Hz)
- Minimize the cable skew by adjustable 8-level equalization control knob
- Video Bandwidth: 1.65 Gbps
- RJ-45 Connector: 2 indication LEDs

### 1-2 System Requirements

- PC system or DVD player device with an available DVI port

## **1-3 Package Contents**

- Transmitting unit
- Receiving unit
- Power Adapter
- Quick installation guide

## **1-4 Lay out**



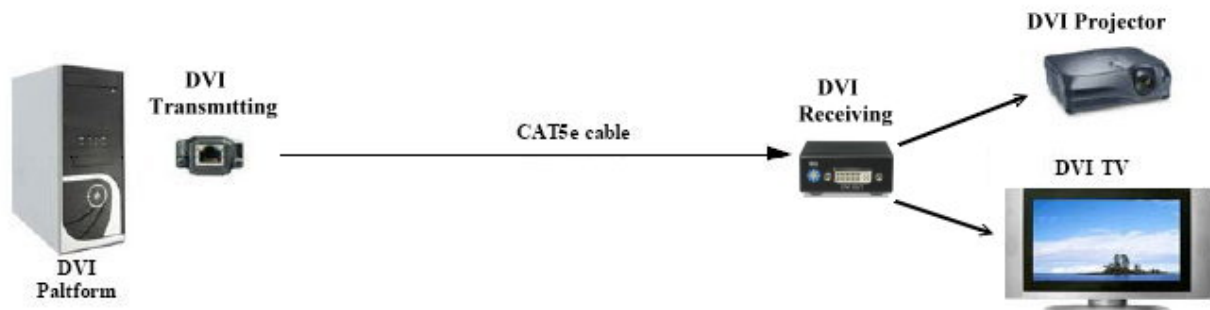
**Transmitting unit**



**Receiving unit**

### **EQ:**

Adjust the 8-level equalization control knob to the received HDMI signals. 0-7 = strongest-weakest. It is recommended to switch from 7 to 0 to find the optimal visual experience.



**DVI over CAT5e Extender Application**

## **2. Installation**

### **2-1 Static Electricity Precaution**

The DVI over CAT5e Extender has been tested for conformance to safety regulations and requirements, and has been certified for international use. However, like all electronic equipments, the DVI extender should be used with care. Please read and follow the safety instructions to protect yourself from possible injury and to minimize the risk of damage to the unit.

- Follow all instructions and warnings marked on this unit.
- Do not attempt to service this unit yourself, except where explained in this manual.
- Provide proper ventilation and air circulation and do not use near water.
- Keep objects that might damage the device and assure that the placement of this unit is on a stable surface.
- Use only the power adapter and power cords and connection cables designed for this unit.
- Do not use liquid or aerosol cleaners to clean this unit. Always unplug the power to the device before cleaning.

## **2-2 Hardware Installation**

1. Connect the mini-transmitter to your DVI source (PC).
2. Connect the receiver to the remote DVI monitor.
3. Make sure your CAT-5/5e/6 cable is tightly connected and not loose.
4. Enjoy your high quality PC video on the screen.
5. If a flickering or a blinking image is seen, try to adjust the rotational switch to improve the cable skew. 0 stands for the strongest EQ while 7 stands for the weakest. Try adjusting the EQ from 7 to 0

## **2-3 Notice**

1. All the transmission distances are measured using Belden CAT-5e 125MHz.
2. To reduce the interference among the unshielded twisted pairs of wires in CAT-5/5e/6 cable, you can use shielded CAT-5/5e/6 cables to improve EMI problems, which is worsen in the long transmission.
3. Because the quality of the CAT-5/5e/6 cables has the major effects in how long transmission distance will be made and how good is the received display, the actual transmission length is subject to your CAT-5/5e/6 cables. For resolution greater than 1280x1024, a CAT-6 is recommended.



5303-0343-0010X