



DVI Repeater

User Manual

Model : DE02E

DVI CAT5e Extra Long Range Extender 100M



Introduction

DE02E is an DVI extender that uses a cost-effective Ethernet cable to carry the signal for 100M away with the high resolution up to 1920 x 1200@60Hz..

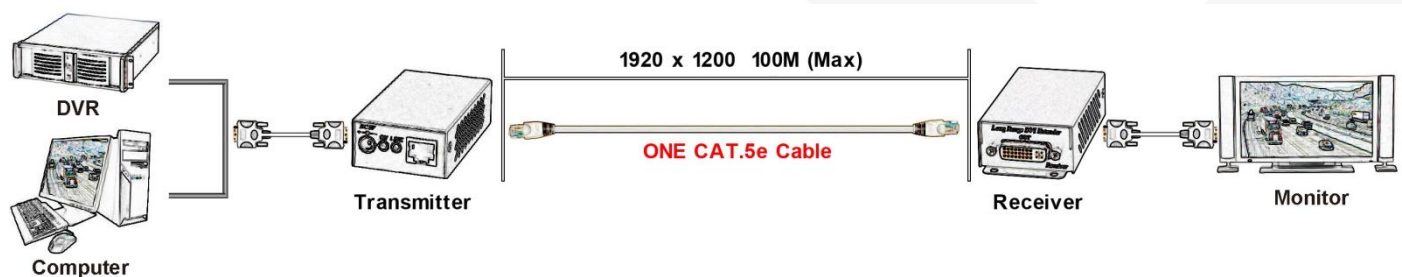
Features

- Resolution up to 1920 x 1200@60Hz.Signal extension up to 100M.

Optional Model SR01X Gigabit Ethernet Repeater

- Extend TCP/IP signal for extra 120meters.
- Chainable with multiple SR01X for long distance transmission.
- Plug and play for easy installation.

Installation view



Cable

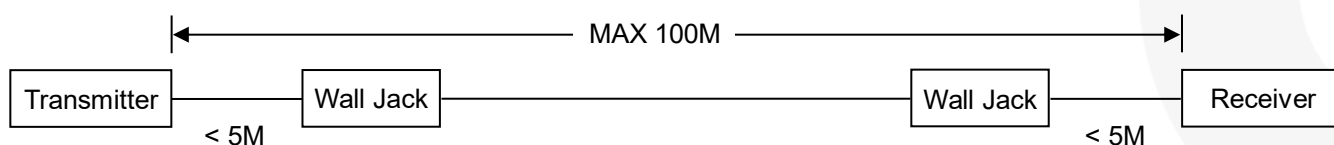
Link cable recommend use high quality Cat.5e、Cat.6、Cat.6a、Cat.7 UTP / STP or FTP cable. Poor quality cable or network connection or improper construction will cause unstable connection, video or sound disruptions, picture noise appears.

Transmission Distance

The maximum transmission distance up to 100meters, use lower resolution won't extend longer distance.

If connection through the wall socket, the cable length must less 5 meters between HDMI extender and wall jack, as below drawing

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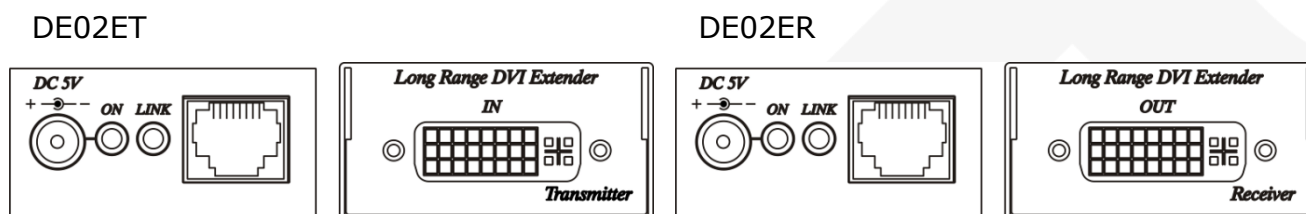
Low-power Mode

When there is no DVI video signal input, or TV is not connected or power off, this product will enter a low-power mode to save power consumption.

LED Indication

GREEN : Power ON/OFF
BLUE ON : DVI linking
Flash : Low Power Mode


Panel view



RJ45 Define

| RJ45 JACK | | |
|-----------|-------|----------|
| PIN | Color | Function |
| 1 | W-O | DATA 0 + |
| 2 | O | DATA 0 - |
| 3 | W-G | DATA 1 + |
| 4 | BL | DATA 2 + |
| 5 | W-BL | DATA 2 - |
| 6 | G | DATA 1 - |
| 7 | W-BR | DATA 3 + |
| 8 | BR | DATA 3 - |

| | | | | | | | |
|---------------|---|-----|----|------|---|------|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| W-O | O | W-G | BL | W-BL | G | W-BR | BR |
| JACK POSITION | | | | | | | |



Caution

1. The wiring must away from any equipment with electromagnetic wave, i.e.: mobile phone, microwave, radio equipment, fluorescent lamp, high voltage power lines.
2. The cable must pull in straight to avoid any crosstalk interference and the transmission stability.
3. This device RJ45 port is not general Ethernet signal; do not connect with Network devices to avoid damage.

Package Include

DE02ET DVI Transmitter x 1 pcs
 DE02ER DVI Receiver x 1 pcs
 Mounting Screw pack x 2 bags
 Power Adapter x 2 pcs

Specification

| | | |
|----------------------------|---------------------------------|---------------------------------|
| ITEM NO. | DE02ET | DE02ER |
| Support | | |
| Compliance | HDMI 1.3, HDCP, 3D | |
| Max. Video Resolution | 1920 x 1200@60 Hz | |
| Max. Transmission Distance | 100M at 1920 x 1200@60Hz | |
| Video Bandwidth | 10.2 Gbps | |
| Ports & Interfaces | | |
| Video Input | 1 x 29 Pin DVI-D (Digital Only) | 1 x RJ45 |
| Video Output | 1 x RJ45 | 1 x 29 Pin DVI-D (Digital Only) |
| Power | | |
| Power Supply | DC 5V 2A | DC 5V 2A |
| Power Consumption | 3W (Max), 0.8W (Low Power) | 6W (Max), 1W (Low Power) |
| Ambient Temperature | | |
| Operation | 0 to 55°C | |
| Storage | -20 to 85°C | |
| Humidity | Up to 95% | |
| Physical Characteristics | | |
| Dimensions | 49.2 x 92 x 25mm | 49.2 x 92 x 25mm |
| Weight | 140g | 150g |