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CAT 5 DVI Extender

ST121UTPDVI

Introduction

Thank you for purchasing a StarTech.com CAT 5 DVI Extender. Designed to provide simple extension of a DVI signal, ST121UTPDVI offers a convenient way to properly situate a DVI display, relying on the cost-effectiveness of CAT5 cable.

Features

- Supports resolutions up to 1600x1200 (60Hz)
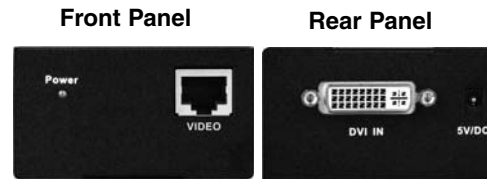- Supports DVI-D interface
- Easy installation

System Requirements

- A DVI video source
- A DVI capable display
- CAT 5 UTP Cable
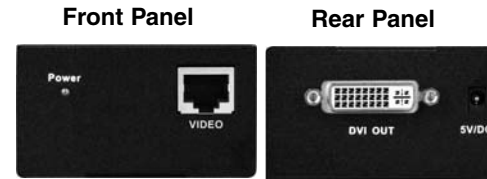- An available power outlet for both Local and Remote Units

Package Contents

- 1 X DVI Local Unit Extender
- 1 X DVI Remote Unit Extender
- 1 X Instruction Manual (this document)
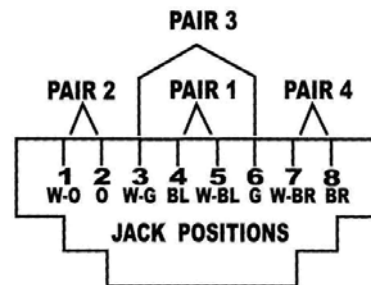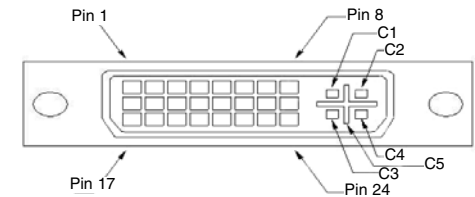- 2 X Power Adapter

Hardware Guide

Local unit

Front Panel   **Rear Panel**

Remote unit

Front Panel   **Rear Panel**

Wiring Information and Coding

Conductor Identification	RJ45 Pin Assignment	Color Code for Conductor
Pair 1	5	White-Blue
	4	Blue
Pair 2	1	White-Orange
	2	Orange
Pair 3	3	White-Green
	6	Green
Pair 4	7	White-Brown
	8	Brown

DVI Pinout/Input and Output Signals

Pin #	Signal	Pin #	Signal
1	T.M.D.S Data 2-	16	Hot Plug Detect
2	T.M.D.S Data 2+	17	T.M.D.S Data 0-
3	T.M.D.S Data 2/4 Shield	18	T.M.D.S Data 0+
4	T.M.D.S Data 4-	19	T.M.D.S Data 0/5 Shield
5	T.M.D.S Data 4+	20	T.M.D.S Data 5-
6	DDC Clock	21	T.M.D.S Data 5+
7	DDC Data	22	T.M.D.S Clock Shield
8	Analog Vert. Sync	23	T.M.D.S Clock+
9	T.M.D.S Data 1-	24	T.M.D.S Clock-
10	T.M.D.S Data 1+		
11	T.M.D.S Data 1/3 Shield	C1	Analog Red
12	T.M.D.S Data 3-	C2	Analog Green
13	T.M.D.S Data 3+	C3	Analog Blue
14	+5V Power	C4	Analog Horz Sync
15	GND	C5	Analog Ground

Installation

1. Turn off the source PC and the intended display.

2. Position the ST121UTPDVI Remote Unit near the intended display. Similarly, position the Local Unit near the computer. Please note that both units will require a power connection, so please ensure that each unit is situated near an available power outlet.

3. Connect the source PC to the "**DVI In**" port on the rear panel of the local unit, using a DVI male/male cable.

4. Connect the intended display to the "**DVI Out**" port located on the rear panel of the Remote Unit, using a DVI male/male cable.

5. Connect the Local Unit to the Remote Unit, using standard CAT5 cable (terminated at both ends with an RJ45 connector).

6. Connect the power adapters (provided) to both Local and Remote Units.

7. Turn on the PC and monitor.

Specifications

Regulatory Certifications	ROHS, CE, FCC
Connectors	Local Unit: 1 x DVI-I (Out) 1 x RJ45 1 x Power Remote Unit: 1 x DVI-I (In) 1 x RJ45 1 x Power
Power Adapter	2 x DC 5V 1A
Maximum Supported Resolution	1600 x 1200 @ 60Hz
Maximum Distance Extension	50m (150 feet)
Weight	138g
Dimensions (LxWxH)	67x52x38 mm

Accessory Products from StarTech.com

Contact your local StarTech.com dealer or visit www.startech.com for cables or other accessories that will help you get the best performance out of your new product:

DVIIDMM6
6' DVI-I Dual Link Digital/Analog Flat Panel Cable M-M

DVIIDMM10
10' DVI-I Dual Link Digital/Analog Flat Panel Cable M-M

M45PATCH50BL
50' Blue Molded Category 5e UTP Patch Cable

M45PATCH75BL
75' Blue Molded Category 5e UTP Patch Cable

M45PATCH100B
100' Blue Molded Category 5e UTP Patch Cable

ZENDVI2
Cable ZEN 6.6 ft (2m) DVI Digital Video Cable