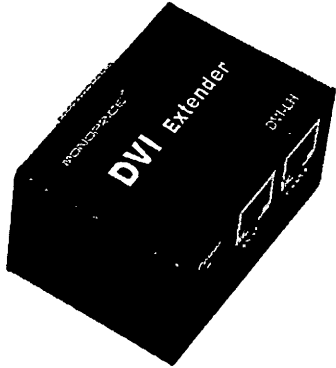


# MONOPRICE® DVI EXTENDER



DVI-LH  
(Local)



DVI-RH  
(Remote)

## USER MANUAL DVI-EH

V1.0

### Package Contents

- DVI Extender Local Unit
- DVI Extender Remote Unit
- 1 user manual
- 2 power adapter DC 5V 1.2A

Any thing missed, please contact with your vendor.

## Introduction

The extension of DVI-D video signal device up to 30/50 meter away by using DVI extender and two CAT.5 cables.

DVI extender is ideal for:

- Test bench facilities
- Data Center
- Help desks

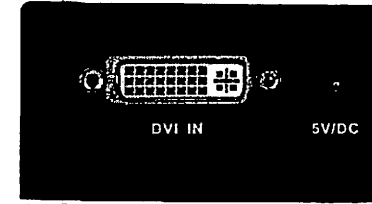
## Features

- PC resolution to 1600x1200 60Hz / 30 meter.
- PC resolution to 1280x1024 60Hz / 50 meter.
- HDTV resolution up to 1080i / 50 meter.
- Compliant with the specification of DVI 1.0.
- Support DVI-D.
- Support DDC & HDCP.
- Use CAT.5 cable to install easily.

## Specifications

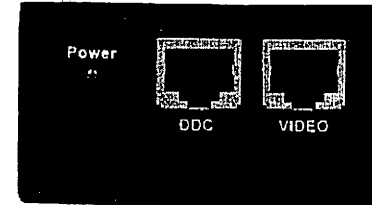
Function	DVI-LH	DVI-RH
Input Connector	1 DVI Female	2 RJ-45 Female
Output Connector	2 RJ-45 Female	1 DVI Female
Max. Resolution	1600x1200 60Hz / 1280x1024 60Hz, 1080i	
Cable Distance	30/50 m (Max.)	
Power Adapter (Min.)	DC 5V 1.2A	
Housing	Metal	
Weight	145g	142g
Dimensions (LxWxH)	67x52x38 mm	

### LOCAL FRONT VIEW



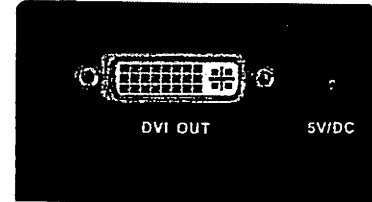
1. "DVI In" Port
2. Power Jack

### LOCAL REAR VIEW



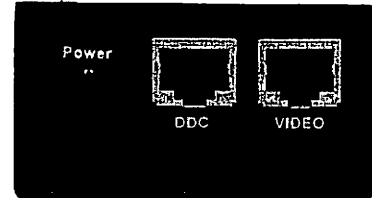
1. Power LED
2. "CAT.5" DDC Port
3. "CAT.5" Video Port

### REMOTE FRONT VIEW



1. "DVI Out" Port
2. Power Jack

### REMOTE REAR VIEW



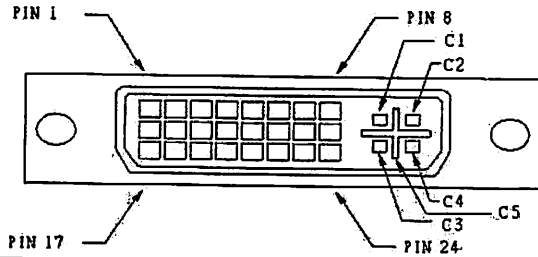
1. Power LED
2. "CAT.5" DDC Port
3. "CAT.5" Video Port

# Installation

1. Turn off the PC and monitor.
2. Connect the DVI male/male extension cable between the PC and the "DVI In" port of DVI-LH.
3. Connect the DVI male/male extension cable between the monitor and the "DVI Out" port of DVI-RH.
4. Connect the CAT.5 cable between the DVI-LH "CAT.5" DDC port and the DVI-RH "CAT.5" DDC port of extender.
5. Connect the CAT.5 cable between the DVI-LH "CAT.5" Video port and the DVI-RH "CAT.5" Video port of extender.
6. Connect the power cord and turn on the extender.
7. Turn on the PC and monitor.

# Technical Specifications

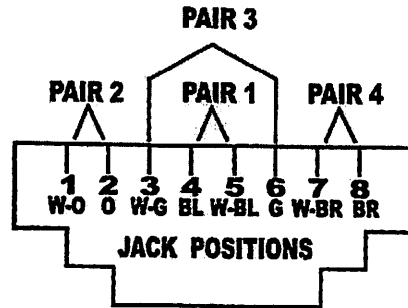
## Input/Output Signal



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

# Wiring Information & 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



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