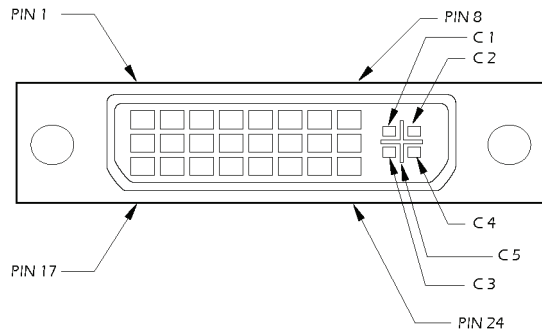


Technical Specifications

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

Video Input	1 DVI Female
Video Output	4 DVI Female
Max. Resolution	1920 x 1200 60 @ Hz
Cable Distance to Monitor	10 m (max)
Signal Type	Standard DVI Signal
Power Adapter (min)	5VDC 2A
Housing	Metal
Weight	.65lb (.29kg)
Dimensions (LxWxH)	7.93" x 3.56" x 1.56"

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Smart-AVI

Smart Audio Video Integration

Quick Start Guide

DVS-4P



The DVI-I 4 port splitter allows you to use a single PC/MAC to display identical images on multiple monitors.

www.smartavi.com

Introduction

The DVS4P splitter allows you to use a single PC to display identical images on multiple monitors.

DVI Splitter is ideal for:

- Test bench facilities
- Data Center
- Help Desks

Features

- Use Panellink digital technology
- Supports high-resolution display up to UXGA (25-165MHz)
- Can be cascaded
- Compliant with the specification of DVI 1.0
- Resolution up to 1920 x 1080
- No degradation of video quality
- External power supply
- Automatic EDID learning for the support of any DVI monitor.
- DVI and VGA

Package Contents

- 1 DVS4P 4Port DVI splitter
- 1 User Manual
- 1 Power Adapter 5VDC 2A

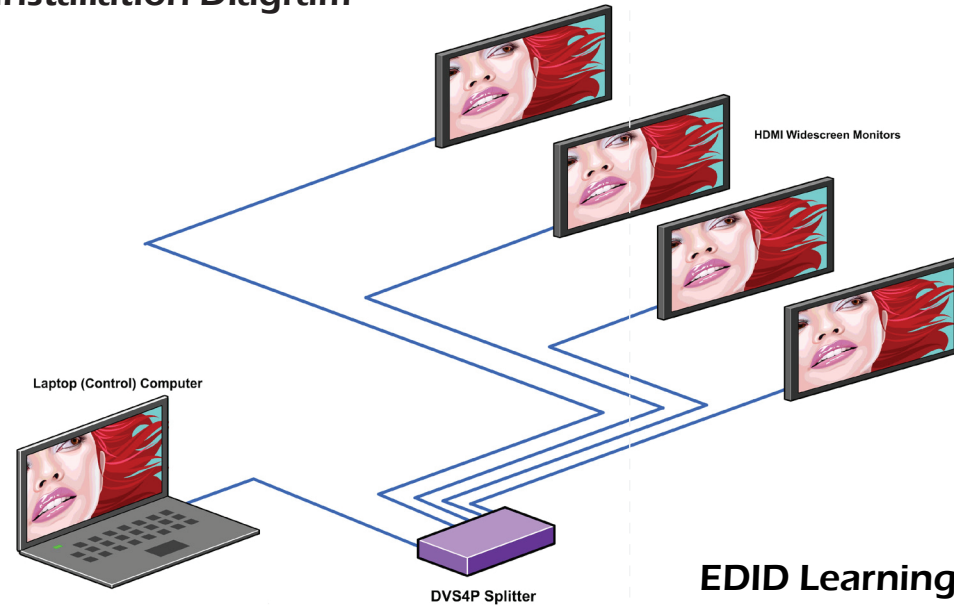
Operation for Cascade

1. The function to display identical images on more monitors, is an attachment of another splitter.
2. Connect the DVI male/female extension cable between the former splitter of the "DVI out 1" port and the latter splitter of the "video in" port.

Note:

Even though you are allowed to cascade the splitter with varied ports, the image might become unstable if you cascade too many tiers of splitters.

Installation Diagram



Installation

1. Turn off computer and monitor.
2. Connect DVI male extension cable between the PC and the "video in" port of splitter.
3. Connect the DVI male/female extension cables between the monitors and the "DVI out" ports of splitter.
4. Connect the power cord and turn on the splitter.
5. Turn on PC and monitors.

EDID Learning

The Display Data Channel (DDC) is a digital connection between a computer display and a graphics adapter that allows the display to communicate its specifications to the adapter.

The Extended Display Identification Data (EDID) is a data structure provided by a computer display over the DDC to describe its capabilities to a graphics card.

The DVS4P does not continue the DDC across the CAT6 STP links and contains its own EDID at the video source input. Therefore, the EDID on the DVS4P is used in place of the actual monitors EDID. In order for the computer to output at the correct resolution and refresh rates for a specific monitor, the DVS4P must be loaded with the monitors EDID.

On power-up the DVS4P reads and stores the EDID of the DVI monitor connected to the local loopback port. If the local loopback port is disconnected during power-up, the stored EDID will not be modified.