

TECHNICAL SPECIFICATION

VIDEO	
Format	DVI-I Female
Video Resolution	Up to 2048 x 1536
Video Bandwidth	165 MHz
Input Interface (TX)	(1) DVI-I Female
Output Interface (RX)	(1) DVI-I Female
Max. data rate	6.75 Gbps (2.25 Gbps Per Lane)
Compliance	HDCP Compatible
Max distance	Up to 10 m
OTHER	
Power	External 100-240 VAC/5VDC4A @ 20 W
Dimensions	3.5" W x 1.6" H x 9.8" D
Weight	2.1 lbs
Operating Temp.	0-50 °C (32-122 °F)
Storage Temp.	-20-60 °C (-4-140 °F)
Humidity	Up to 95%

WHAT'S IN THE BOX

PART NO.	Q-TY	DESCRIPTION
DVS-8P	1	1 IN 8 OUT DVI Splitter
PS5VD4A	1	PS5VD4A Power Supply
Quick Start Guide	1	

NOTICE

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Smart-AVI
SMART AUDIO VIDEO INNOVATION

DVS-8P

1 IN 8 OUT DVI Splitter



**THE DVI-I 8 PORT SPLITTER
ALLOWS YOU TO USE
A SINGLE PC/MAC TO DISPLAY
IDENTICAL IMAGES ON
MULTIPLE MONITORS.**

Quick Start Guide

FEATURES

- 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 1200
- No degradation of video quality
- External power supply
- Automatic EDID learning for the support of any DVI monitor.

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.

On power-up the DVS-8P reads and stores the EDID of the DVI monitor connected output 1.

There are 3 modes for EDID:

- Mode 1 - Selects the Minimum Resolution of the Output
- Mode 2 - Selects the EDID of the Latest monitor connected
- Mode 3 - Selects the EDID of the Monitor connected to Output 8

Pressing the button next to the "Power" LED can be used to see the current EDID mode, the LED of #8 will flash according the mode.

- If the current mode is Mode 1, LED 8 will flash one time
 - If the current mode is Mode 2, LED 8 will flash two times
 - If the current mode is Mode 3, LED 8 will flash three times
- Pressing the button a second time will change to the next mode.

OPERATION FOR CASCADE

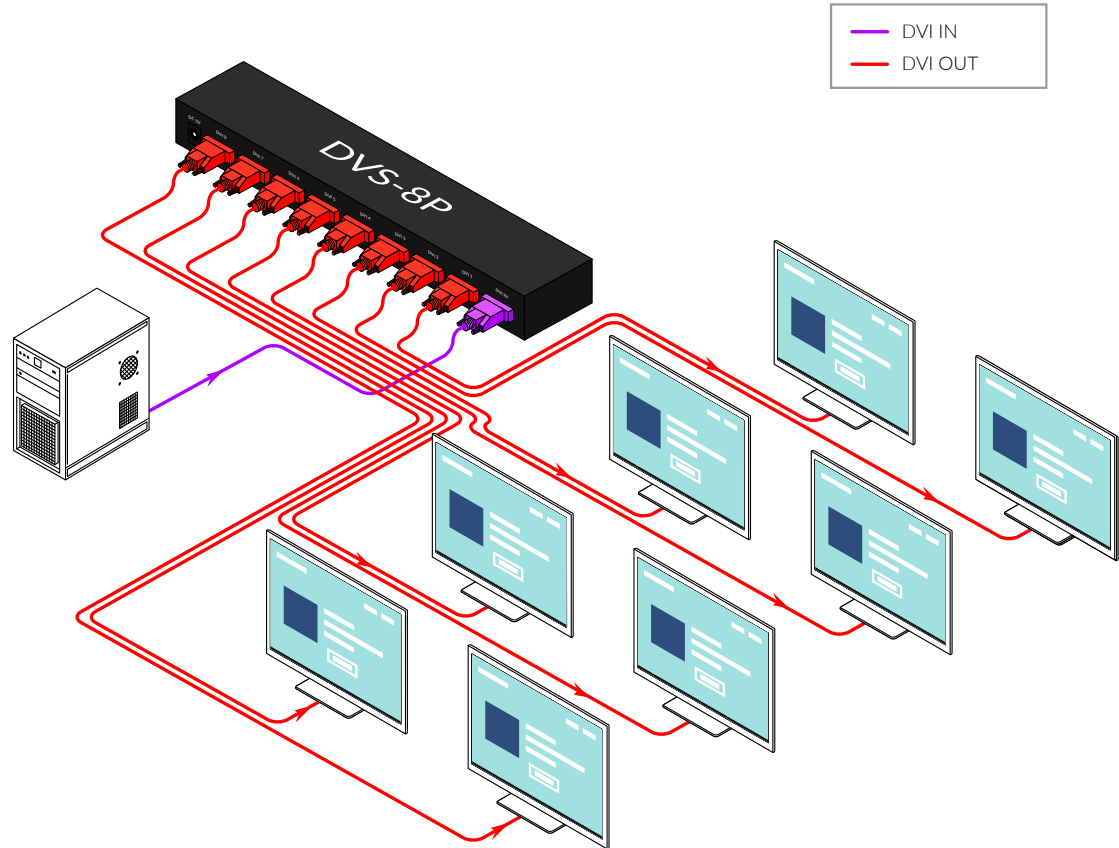
If you need to add more monitors, you need to attach an additional splitter box.

Connect a DVI male/male extension cable between a Video OUT port or the primary splitter (the splitter connected to the computer) and the Video IN port on the cascade splitter.

NOTE: Even though you can cascade the splitter, the image might become unstable if you cascade too many tiers of splitter.

HARDWARE 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 all the monitors to the DVS 8P
4. Connect the power cord and turn on the splitter
5. Turn on PC and monitors



DVS-8P FRONT



DVS-8P FRONT

