NEXIS

SPD512B/SPD514B

2/4-port Cascadable DVI Video Splitter

w/ Digital Video Bandwidth up to 165 MHz

Quick Installation Guide

Thank you for purchasing the **SPD512B/SPD514B Cascadable DVI Video Splitter**! With our highly reliable and quality product, user can enjoy countless benefits from using it.
The DVI Video Splitter allows 2/4 DVI monitors/Flat Panel Displays to display the same digital video source from a single DVI-enabled PC, and it allows a maximum of 1920 x 1200 resolution / 165 MHz video bandwidth. While splitting the video signals to multiple monitors, the image quality is not in the least degraded and stays crisp and clear throughout. For more monitor displays, you can drive up to dozen of monitors by cascading multiple video splitters together. The Video Splitter is your ideal solution for presentation and classroom. It is TMDS-compliant to provide DDC2B emulation for more advanced DDC2B signaling support for DVI display.



SPD512B / SPD514B
Cascadable DVI Video Splitter

Before you install

The **SPD512B/SPD514B Cascadable DVI Video Splitter** is a Plug-and-Play device. In fact, you do not have to make any configuration before installation. Just take it out of the box, connect and set up the video cable connections for the DVI Video Splitter(s) and your computers, and you can immediately enjoy the video sharing function on multiple monitors.
The Video Splitter can be used in single unit configuration to drive 2/4 monitors. It can also be used in a cascaded application with up to next level of daisy-chained units to drive up to dozen of monitors with single digital video display source from your computer.

Out-of-the-box Installation

Take the DVI Video Splitter out of the box and begin installation…

Before you install the Video Splitter, make sure your computer, which will provide the video source, is in powered-off state. If not, power it off.

Step 1. Connect the DVI port of your computer to the *video-in* connector on the rear of your (first) video splitter, using a DVI video cable. Power on the DVI Video Splitter by attaching its power adapter, which in turn should be plugged into a power outlet on the other end. (*refer the configuration diagram below*)

If you use only a single DVI Video Splitter in a non-cascaded application, you should ignore Step 2, and jump directly to Step 3.

If you want to daisy-chain multiple DVI Video Splitters, go to step 2. Generally, you can daisy-chain up to 2 levels of Video Splitters with over a dozen of monitors displaying a single video source.

Step 2. Use another DVI video cable to connect the first *video-out* port of your first Video Splitter to a *video-in* port of the second Video Splitter. Power on the DVI Video Splitter by attaching its power adapter…..

Now your single DVI Video Splitter or multiple daisy-chained DVI Video Splitters should have been properly connected and/or cascaded and powered-up…

Step 3. Connect each of your monitors to one of the video-out ports on the backpanel of the video splitter(s). Note that you should first select the monitor with the *lowest* native resolution support among all those monitor to be connected to the video splitter(s), and connect it to port 1 of the video out-ports of the (terminal) video splitter.

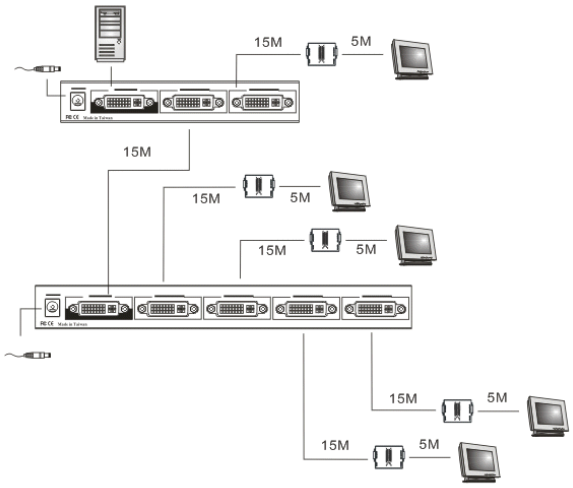
If you use several DVI monitors/Flat Panel displays with different native resolution supports ….. For example, some bigger monitors may support up to 2048 x 1536 pixels, but some supports only up to 800 x 600. If that is the case, **we suggest you to connect the monitor with lowest resolution support to the first video-out port on the backpanel**, so that the DVI Video Splitter can detect its maximum resolution support and set it as the working resolution for video output.

Step 4. Power on the computer, so that the video screen can be immediately displayed on multiple monitors.

If you find any monitor with no video display while others display normally, you should make sure that the monitor with the lowest resolution has been plugged into port 1 of video-out ports. If not, follow the above procedure to troubleshoot.

Although a 3-level daisy-chaining of DVI Video Splitters is always possible, it is normally not suggested to do so since video signal degradation will be more noticeable.

Generally speaking, the nearer a video-out port is to the video-in port, the better its video display output quality.



SPD512B/SPD514B in cascaded application with multiple daisy-chained units

Specifications

Model Number	SPD512B	SPD514B
Video Input	1 x DVI-I female	
Video Output	2 x DVI-I female	4 x DVI-I female
Daisy-chain	Up to 2 levels	
VGA Bandwidth	165 MHz max.	
VGA Resolution	1920 x 1200 (digital)	
Cable Distance *	15m (50 feet) –- PC-Splitter 5m (17 feet) –- Splitter-Monitor	
Daisy Chain	Yes	
Housing	Metal	
Dimensions (L x W x H)	150 x 59 x 26 mm	150 x 59 x 45 mm
Power	DC 5V 2A	
Safety / EMI	CE, FCC	

** To extend DVI video cabling distance to a range of within 15 meters, you should use a DVI Repeater such as UDE-050 to enhance your digital video on longer DVI video cable.*

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