



Fiber extenders to transport DVI-D video over a single fiber connection

Product Overview

The DViLiteBlok system is designed to extend DVI-D signals up to 1000 m economically and with the latest technology in quality optics. The extender system consists of a multimode transmitter and receiver unit and a USB Type-A to Mini-B adapter cable for power (5 VDC, 150 mA). The TX/RX package supports resolutions up to 1920 x 1200 (WUXGA) with a refresh rate of 60Hz.

The Stratos DViLiteBlok fiber modules extend your video virtually anywhere with dependable, full bandwidth resolution using a single fiber cable. The DViLiteBlok has a very small footprint and can be mounted directly to the computer or display.

The DViLiteBlok uses a phantom DDC function to emulate EDID information to the graphics card. DViLiteBlocs conform to DDWG 1.0 for data rate capacity and can support both computer video and HD television formats up to 1080p.

Power for most applications:

- Transmitter gets power through the DVI connection at the personal computer.
- Receiver gets power from a wall plug power supply near the monitor.

It is recommended to connect the Transmitter, TX, directly to the PC rather than to a DVI cable connected to the PC. DVI cable and/or gender bender adapter performance may vary, affecting signal integrity. The TX has no cable equalizer. However, it is acceptable to connect the receiver, RX, to a DVI cable for a short distance under 10 ft or 3 meters if needed.



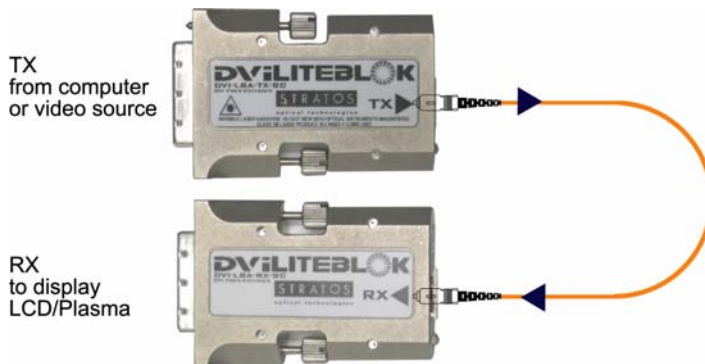
Rear View of TX or RX Module

DVI-LBA Series



Key Features

- Extend digital video signal up to 1000 m (3280 ft) over a single 50/125 micron multimode fiber
- Supports resolutions up to 1920 x 1200 @ 60Hz
- Supports DVI-D single link
- No RF interference
- Signal transmission via single fiber multimode cable in either 50 or 62.5 micron
- SC fiber interface
- Small form factor
- Body Length x Width x Height:
 - 2.25 x 1.6 x 0.6 in
 - 57 x 40 x 15 mm
- Power (5 VDC, 150 mA) options:
 - USB Type-A to Mini-B plug cable
 - PC DVI connection
 - Wall plug power supply
- After installation sequence, EDID monitor data is stored, even if power is lost



Extend DVI-D Video Signal Up to 1000 m (3280 ft) Over a Single 50 micron Multimode Fiber

Installation Sequence

1. Plug powered DViLiteBlok transmitter (TX) into the monitor DVI port to capture monitor data.

Power using USB cable or optional wall plug power supply.

TX LED should now only flash green (indicates that monitor EDID, Extended Display Identification Data, has been captured and stored on the TX).

It is now ok to remove the TX from the monitor.

Note: Although not necessary, the user may now unplug the USB power cord from the TX.

2. Plug the DViLiteBlok TX into the graphics card DVI port on the personal computer.

TX LED should remain solid green (indicates successful connection to PC graphics card). Most PC DVI ports provide power through the connection.

If needed, power using USB cable or optional wall plug power supply.

3. Plug powered DViLiteBlok receiver (RX) into monitor DVI port.

Power using wall plug power supply or USB cable.

RX LED should be solid red (indicates absence of optical signal).








4. Connect the DViLiteBlok TX and RX using multimode fiber optic cable.

RX LED should be solid green (indicates valid optical signal received from the TX).

NOTE: The TX has memory. Step 1 to capture monitor data should not need to be repeated for this PC-Monitor link.

TRANSMITTER LED COLOR	REASON
Alternating Red and Green	Ready to connect DViLiteBlok TX to the monitor to collect EDID monitor data.
Flashing Green	Ready to connect DViLiteBlok TX into graphics card on PC. (EDID data was correctly stored onto the TX. OK to disconnect TX from the USB power.)
Solid Green	Successful connection of DViLiteBlok TX with the graphics card. Everything will work correctly using only the monitor from which the EDID data was obtained.
Flashing Red for 10 Seconds, then Solid Red	DViLiteBlok TX not yet connected to a monitor. Unplug the TX from the USB power cord. Reconnect the USB cord to the TX and connect the TX to the monitor.
RECEIVER LED COLOR	REASON
Solid Green	RX powered and optical signal present.
Solid Red	RX powered, but no optical signal is present.

Ordering Information

	Part Number	Description	Shipping Dimensions	Shipping Weight
	DVI-LBA-PKG-SC	DVI Fiber Extender Package includes: Transmitter, Receiver, SC-SC Multimode Jumper Cable, and a USB to Mini-B Cable	12.25 x 12.25 x 6.0 in 31 x 31 x 16 cm	2.0 lb 885 gm
	DVI-LBA-SPKG-SC-US	Sales Demo Kit: DVI Fiber Extender Package includes: Transmitter, Receiver, SC-SC Multimode Jumper Cable, USB to Mini-B Cable and US Power Supply		2.0 lb 885 gm
	DVI-LBA-TX-SC	DVI LiteBlok Transmitter, SC, Multimode		1.3 lb 590 gm
	DVI-LBA-RX-SC	DVI LiteBlok Receiver, SC, Multimode		
	PWR-US-USB PWR-EU-USB PWR-UK-USB	US Power Supply to Mini-B Plug, Input 110-254 VAC, Output 5 VDC, 5 ft, 1.5 m European Power Supply to Mini-B Plug, Input 110-254 VAC, Output 5 VDC, 5 ft, 1.5 m U.K. Power Supply to Mini-B Plug, Input 110-254 VAC, Output 5 VDC, 5 ft, 1.5 m		
	PWR-USB-AMB	Cable USB Type A to Mini-B Plug, 3.3 ft, 1 m		1.2 lb 556 gm
	710-00248-01	SC-SC Multimode Jumper Cable, 3.3 ft, 1 m		

Product information is subject to change without notice. Contact Stratos for current product information.

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Connectivity Solutions

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