

**The DVIplus DVX2000 extends any DVI-I,  
keyboard and mouse signals up to 10,000 ft  
with fiber and 300 feet with CAT5.**



The DVX2000 extends the distance between any computer supporting DVI-I and monitors or projectors up to 10,000ft. with fiber optics.

## FEATURES

- ▲ Perfect Image Quality at all Resolutions
- ▲ Supports both VGA and the latest DVI video interfaces (future proof your investment)
- ▲ Supports Mixed DVI and VGA operation
- ▲ Video Resolutions up to 1600 x 1200 @ 60Hz using Cat5 or Fiber Optic Cable!
- ▲ Local Console Option (Dual Access)
- ▲ Transparent to Keyboard and Mouse Emulation
- ▲ No length restrictions for particular video resolutions
- ▲ Fiber Optic Extension uses only TWO Fibers!
- ▲ Transmission length:
  - 100 m with regular Cat5 cable  
(200 m with repeater)
  - 200 m with 62,5/125 $\mu$  Multi-mode Fiber Cable
  - 400 m with 50/125 $\mu$  Multi-mode Fiber Cable
  - 10 km with 9/125 $\mu$  Single-mode Fiber Cable
- ▲ Compatible with all operating systems
- ▲ Compatible with all major KVM Switches
- ▲ Rack Mount options (19"): Mount up to 3 devices in 19"/1U or up to 6 devices in 19"/2U. This saves expensive rack space.

## Application Diagram

Diagram A

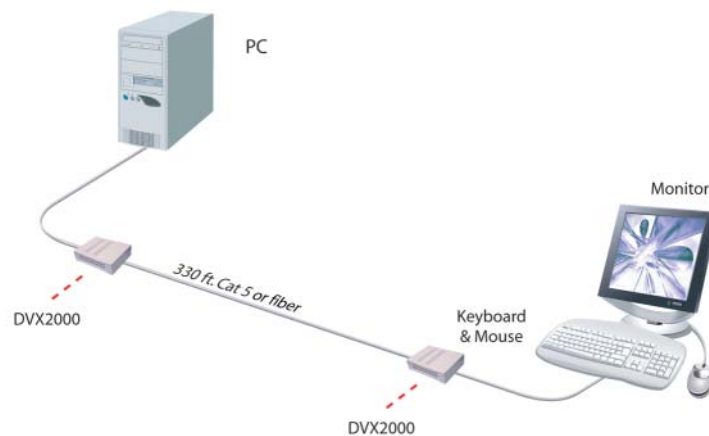
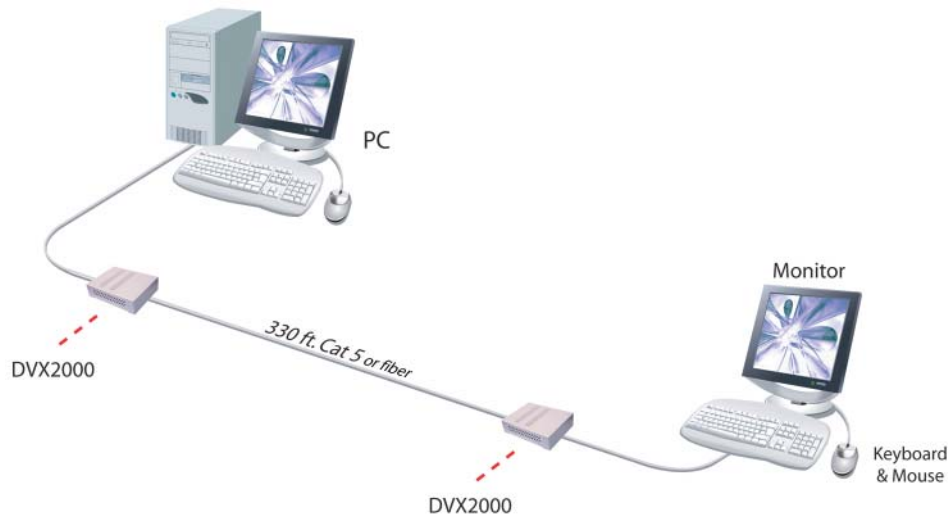


Diagram B



## Applications

- Financial (remote users and server control)
- Call Centers (co-locate user's computers)
- Industrial (fiber optic isolation)
- Information Terminals & Kiosks
- Airports (air traffic control, passenger information systems)
- KVM extension where an exceptional image quality is required
- Medical - using computer tomographs generates strong magnetic fields, which make it impossible to use monitors. Using fiber optic cables allows remote location of monitors that require a very high screen resolution

## DVX2000 - The Future of KVM Extension

With Flat panel displays becoming more prevalent it is natural to drive them digitally through their DVI interface to obtain optimum image quality. DVX2000 supports DVI extension up to resolutions of 1600 x 1200 to ensure the benefits of using DVI are maintained even if you locate your monitor 10 km away!

The DVX2000 consists of a Transmitter unit and a Receiver unit. These two devices enable long-distance, loss less transmission of DVI video signals between a digital video source and a digital display device. The DVX2000 is equipped with DVI-digital (Digital Visual Interface) connectors for a single-link and optional keyboard and mouse. The DVX2000 receiver is small enough to be attached near a projector. With the DVX2000, the maximum distance between the source and digital display is 330 feet (100 m) using cat5 and up to 10,000ft using fiber optic

### VGA, DVI and more

DVX2000 supports traditional analog VGA as well as digital DVI. All combinations of DVI and VGA (graphics cards and monitors) are supported allowing equipment to be mixed. You could use DVX2000 today to extend (with perfect image quality) your existing SVGA equipment. Later, if you purchase a DVI monitor you can use it with DVX2000 even though your computer is equipped with a VGA graphic card. When you finally upgrade to a DVI graphic card, DVX2000 will continue to extend your system without any reconfiguration.

### Flexibility

DVX2000 has a modular architecture providing superb flexibility. Not only are all standard peripheral connections supported (PS2, SUN), but also the different cabling interfaces (depending on model) for bridging the required distance: Cat5 network cable, Multimode or Singlemode fibre cables. Other interfaces may also be added such as Serial Port for Touch-Screen, Stereo Audio, Base-Band Video Transmission, USB, 10BaseT Network Management, Parallel Port or other custom interfaces.

### The Features

Depending on the type of device, you can connect monitors with a resolution of up to 1600x1200 pixels. You can use a PS2 Mouse and Keyboard, SUN Keyboard/Mouse or USB Devices. The highly dense packing of the electronic components gives you the ability to mount this unit in a slim, tight housing, which can be placed on the table, as well as mounted at a wall as well as stacked in a 19" Housing.

Bridging the distance with a Cat5 cable (used with a 10BaseT network), you can bridge at least 100m (app. 330ft). Using only 2 fibers of a fiber optical cable (i.e. FOIRL from fiber networking or Fiber To The Desk, ...) you can bridge 200m (app. 650ft) with a 62.5 micron fiber and up to 400m (app. 1310ft) with a 50 micron fiber. If you use single mode fibers/devices, you can extend the distance up to 10km (app 6 1/4 miles) Using fiber devices, you do not only have the advantage of extended cable length, but your line is also absolutely unaffected by electromagnetic interferences (EMI). You have electromagnetic protection against lightings and over voltage. And very good protection for your data.

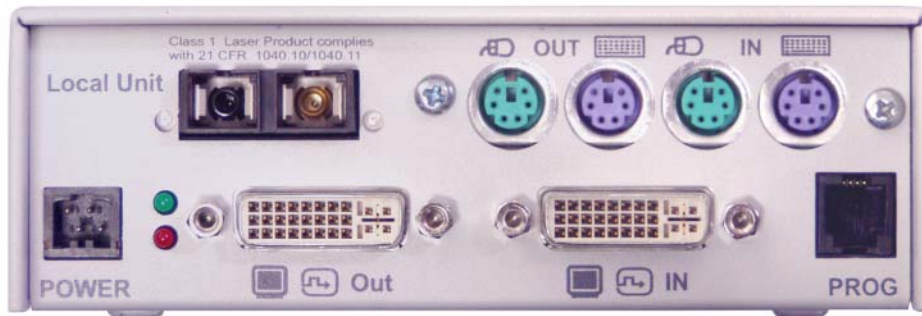
### On Screen Display

You can easily adjust all necessary device parameters through a OSD. Personal selections of color temperature, brightness, contrast, etc.

### Connecting Cables

Cat5 Modules: S/UTP (Cat5) cable acc. to EIA/TIA 56A or TSB 36 or Digital STP 17-03170. Four pairs AWG 24. compatible with EIA/TIA 568A

Multimode Modules: Two fibers 50µm or 62.5µm. E.g. I-V(ZN)H 2G50 or I-V(ZN)HH 2G62,5 or I/AD(ZN)H 4G50.



## SPECIFICATIONS

Video Interface	SXGA, SUN, DVI
Resolution	1600 x 1200 @ 60 Hz All lower resolutions operate up to 75 Hz vertical refresh
Keyboard/Mouse Options	PS/2 Microsoft Compatible
Power Supply	Universal Switchmode PSU (90-240V Input)
Dimensions	148 x 170 x 43 mm-desktop device (19" rack brackets available) 19"/1U housing to mount up to 3 devices 19"/2U housing to mount up to 6 devices
Interconnection Options	Multi-mode 50/125 50/125 $\mu$ oder 62,5/125 $\mu$ , SC-Connector Single-mode 9/125 $\mu$ , SC-connector, Cat5/5e/6
Maximum Distances	100 m (200 m) Cat5, 200 m (62, 5 $\mu$ ), 400 m (50 $\mu$ ), 10km (9 $\mu$ )
Upgradeable	Onboard Flash
KVM Access	Single/Dual KVM options

## ORDER INFO

Model	Description
DVX2000	Extend DVI and Keyboard, Mouse over Cat 5
DVX2500	Extend DVI and Keyboard, Mouse over Fiber