

DVI-3000 Series

DVI Fiber Optic Transport Link

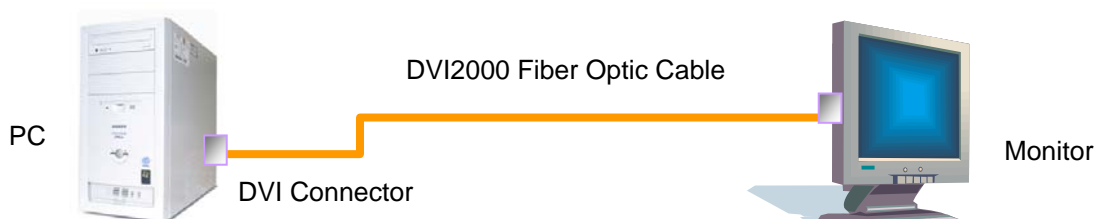


- Transport DVI signals over **FOUR Multimode fibers**.
- **Supports up to 1600 x 1200 UXGA Resolution**.
- Use of standard DVI plug and LC fiber connectors.
- Optional cables sold separately in lengths from **20 to 700 meters**.
- Standard Cable - Riser type, UL 1666. Special Order Cable - Plenum type UL 910
- R,G,B,Clock signal is transmitted separately by Multimode optical fiber
- Pseudo-DDC detection function for EDID information
- Optional external power supply. (Automatic power switch is included.)
- No EMI characteristics for medical instruments and airplane
- Enables remoting of a monitor from the video source.
- Supports all possible horizontal and vertical synch configurations.
- Provides electrical isolation, immune to electrical noise in the transmission path
- Systems available with **Keyboard, Mouse and Audio support**.
- Application include commodity and stock exchanges, medical and MRI displays, advertising and signs, sporting and concert video displays, video walls, digital cinema, radar displays, air traffic control, military information displays plus many more...

DESCRIPTION

The DVI-3000 is ideally suited to sending high quality, high resolution (up to 1600 X 1200) digital video over fiber. This unique fiber optical cable system let your digital LCD monitor extend up to 700 meter or 2296 feet away from host based on DVI standard. Applications include plasma displays, video walls for advertising, MRI and medical display and radar displays.

APPLICATIONS



In the USA and Canada call **1-(800)-4TV-TEST**
191 Forest Avenue, Locust Valley, NY 11560-2132 USA
1-(800)-488-8378, (516)-671-7278, FAX (516)-671-3362
E-Mail: sales@multidyne.com
Web Site: www.multidyne.com

SPECIFICATIONS

Frequency Bandwidth	1.65Gbps (Single Link)	
Supporting Graphic Resolution & Distance	UXGA resolution (1600 x 1200)	500m(1,650ft)
	SXGA resolution (1280 x 1024)	700m(2,300ft)
Connectors	DVI 24pin Plug and LC connector	
Power Consumption	Tx: 0.53Watt (max)	
	Rx: 0.9Watt (max)	

OPTICAL

Optical Source:	850nm VCSEL
O/E Converter:	PIN Photo Diode
Fiber Required:	50/125 LC Multi-mode Fiber

ENVIRONMENTAL

Operating Temperature Range:	-20 to 60 C
Storage Temperature Range:	-30 to 70 C

SIGNAL PIN ASSIGNMENTS

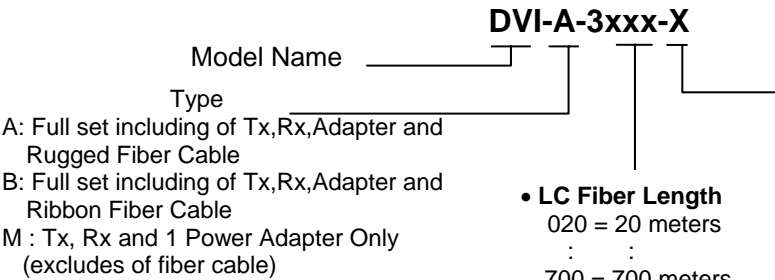
• DVI-3000-FTX : Transmitter Module

• DVI-3000-FRX : Receiver Module

Pin	Signal Assignment	Pin	Signal Assignment
1	T.M.D.S. Data2-	13	No Connect
2	T.M.D.S. Data2+	14	+5V Power
3	T.M.D.S. Data2 Shield	15	Ground (for +5V)
4	No Connect	16	No Connect
5	No Connect	17	T.M.D.S. Data0-
6	No Connect	18	T.M.D.S. Data0+
7	No Connect	19	T.M.D.S. Data0 Shield
8	No Connect	20	No Connect
9	T.M.D.S. Data1-	21	No Connect
10	T.M.D.S. Data1+	22	T.M.D.S. Clock Shield
11	T.M.D.S. Data1 Shield	23	T.M.D.S. Clock+
12	No Connect	24	T.M.D.S. Clock-

Pin	Signal Assignment	Pin	Signal Assignment
1	T.M.D.S. Data2-	13	No Connect
2	T.M.D.S. Data2+	14	No Connect
3	T.M.D.S. Data2 Shield	15	No Connect
4	No Connect	16	No Connect
5	No Connect	17	T.M.D.S. Data0-
6	No Connect	18	T.M.D.S. Data0+
7	No Connect	19	T.M.D.S. Data0 Shield
8	No Connect	20	No Connect
9	T.M.D.S. Data1-	21	No Connect
10	T.M.D.S. Data1+	22	T.M.D.S. Clock Shield
11	T.M.D.S. Data1 Shield	23	T.M.D.S. Clock+
12	No Connect	24	T.M.D.S. Clock-

ORDRING



• Pseudo-DDC function

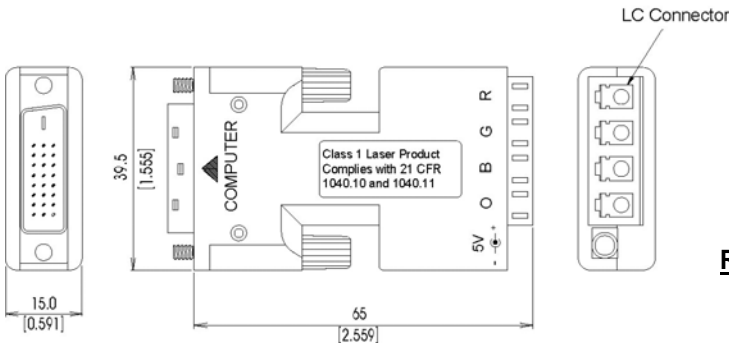
Maximum Resolution for DDC check

- 0 : No DDC check
- U : UXGA (1600 x 1200)
- S : SXGA (1280 x 1024)
- X : XGA (1024 x 768)
- G : SVGA (800 x 600)
- A : VGA (640 x 480)

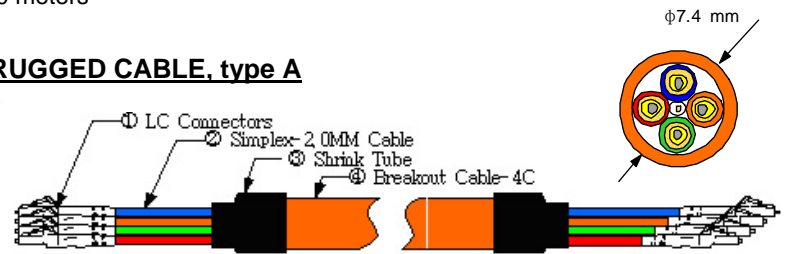
• LC Fiber Length

020 = 20 meters
 :
 :
 700 = 700 meters
 Cable length can be ordered in increments of 10 meters

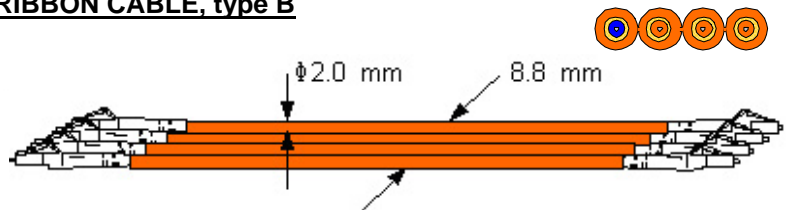
DIMENSIONS



RUGGED CABLE, type A



RIBBON CABLE, type B



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Display and Computer Resolution Information for the RGB-5000, RGB-2000, DVI-2000 and DVI-3000

What is SVGA, XGA and SXGA?

These are the main standards of resolution. The resolution is the **number of 'pixels'** that the projector is capable of displaying. Pixels are the individual dots that make up the image on your computer.

SVGA, XGA and SXGA are terms that describe common resolutions used by computers and projectors.

WVGA, WSVGA and WXGA are terms that describe common resolutions used by Widescreen (16:9 aspect ratios) home cinema projectors.

The table below shows you the number of pixels that are displayed in each common resolution.

Standard (4:3) resolutions

Resolution	Pixels horizontally	Pixels vertically	Approx. total pixels (thousands)
VGA	640	480	307
SVGA	800	600	480
XGA	1024	768	786
SXGA	1280	1024	1311
UXGA	1600	1200	1920

Widescreen(16:9) resolutions

Resolution	Pixels horizontally	Pixels vertically	Approx. total pixels (thousands)
WVGA	854	480	410
WSVGA	1024	576	590
WXGA	1280	720	922



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