



4K DVI Optical Extender

Description:

BY-DVI-316 is a fiber optic transport system capable of distributing high resolution DVI signals over a single optical fiber with cable lengths up to 300 meters(OM3 MM fiber) or 10km(SM fiber), the resolution up to 4096×2160@30HZ. Connect the transmitter before use on the monitors will be used, click on the transmitter key, to read and write EDID will be read and stored in the display inside the transmitter, the EDID programming itself so that it is able to adapt to the characteristics of different resolution of display system, make its use more concise, convenient and reliable.

Application:

BY-DVI-316 can be widely used in military command and control system, police command and control system, traffic management system, energy and electricity supply industry, government office, medical system, commercial presentation, multimedia and public utilities etc

Features:

supports various high definition resolution ratio transmission, the highest can be reach UXGA 1600*1200 or WUXGA 1920*1200@60Hz or HDTV 1080P 1920*1080@60Hz, 2048x1080,2K/4K, maximum resolution 4096×2160@30HZ .Max bandwidth 11Gbps.

SPECIFICATION

Optical :

Wavelength	850nm &1310nm
Output Power	-6~-1dBm
Optic fiber	OM3 multimode , 9/125u single mode
Rx sensitivity	-16dBm
Optical connector	1 x LC
Distance	0~300M (OM3 MM) / 0~10KM (SM)

Video:

DVI Input/Output	
Output video	DVI 1.0
Input video signal	0.5~1.0V P-P
Input signal DDC	5V P-P (TTL)

Connector	18+1 DVI Male
General :	
Input Power	5 V DC
Power consumption (maximum)	2.4W(max)
Operating temperature	-20°C to 70°C
Storage temperature	-40°C to 85°C
Operating humidity	0 ~ 95% (non-condensing)
Net Weight	190g per pair
Case material	Aluminum
Product size	64mm×52mm×22.5mm(L/W/H)

Equipment installation and operation

Step 1: Turn on the PC and the monitor power.

Step 2: read the EDID monitor, read methods please follow the steps below:

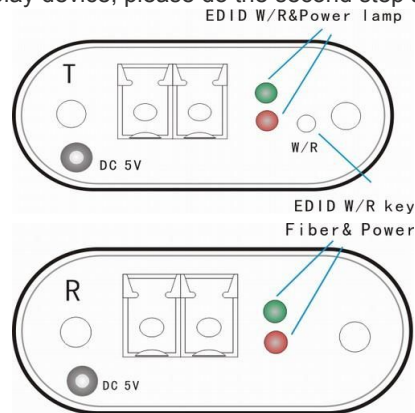
(1) first connect the 5 v power adapter to the transmitter, ensure the power light red LED lights up.

(2) open the monitor power supply, then connect the transmitter DVI interface launch to the DVI interface display device.

(3) press the transmitter EDID read/write button, the EDID R/W light lights up, says it is to read the EDID information display device. Green indicator light goes out after 10 seconds said read EDID information is completed, switch off the power of the transmitter.

Power and EDID W/R lamp state: power supply red light, read and write EDID green light.

Note: if a change in another display device, please do the second step again.



Step 3: first connect the 5 v power adapter to the transmitter, ensure the power light red LED lights up, connect the transmitter DVI interface to the PC of the DVI interface.

Step 4: connect the 5 v power adapter to the receiver, to ensure that the power light red LED lights up. Connect the DVI port of the receiver and display.

Step 5: according to the chart will be LC fiber optic connections.

Receiver Power and fiber lamp state: power supply red light, optical fiber signal connecting green light.

