



VGA over Fiber Optic Extender

**Description:**

**BY-VGA-296** adopts the advanced the technology digital transform and transmission, the signal is transform to the digital format and transmitted on fiber. Firstly, transmitter transfer the analog signal into the digital format, then it is changed to optical signal in SFP transceiver in the way Electronic-opto, so that the signal is transmitted on Fiber. Receiver transform the optical signal to digital signal after receiving, then transform to the analog VGA signal. **BY-VGA-296** can support the formats of VGA、SVGA、XGA、SXGA、UXGA. VGA converter has Single mode and Multi-mode series. VGA transmitter work with VGA receiver in pairs. The VGA transmitter has loop-out which can contact the local monitor. 4 x LC fiber connectors on transmitter individually transmit R、G、B、CK (R、G、B are Red/Green/Blue three primary colors, CK is the signal of clock). 4 x LC fiber connectors on receiver individually receive R、G、B、CK. the receiver has 1x VGA output and 1x DVI output, both can work at the same time. when fiber connection between transmitter and receiver, R、G、B、CK fibers can not be intercrossed. if not, they don't work.

**Application:**

- In a multimedia system
- Large screen monitor
- Supermarket
- City square of big screen monitor

**Features:**

- One Channel VGA signal transmitted on four cores fiber, No compressed、No time delay.
- Support VESA standard resolution
- VGA loop out
- Receiver with VGA and DVI output connectors
- Signal bandwidth---4.95Gbps(Max)
- Support single mode Fiber and Multimode fiber transmission, 10~80KM on SMF
- SFP hot pluggable, flexibly select SFP transceiver according to different transmission distance.

**SPECIFICATION**

1、 Transmitter performance

Input interface----- 1 Channel HD15F (VGA)  
Local loop-out ----- 1 Channel HD15F (VGA)  
Fiber connector -----4 x LC (R,G, B ,CK)  
Type of Fiber -----SMF (1310nm)、MMF (850nm)  
Size ----- 183mm X 154mm X 30mm  
Power assumption ----- 3W

2、 Receiver performance

Fiber connector ----- 4 x LC (R,G, B ,CK)  
Type of Fiber -----SMF (1310nm)、MMF (850nm)  
Output interface -----1 channel HD15F (VGA) , 1 channel DVI  
Size ----- 183mm X 154mm X 30mm  
Power assumption ----- 3W

- 3、Support display format -----VGA/XGA/SXGA/UXGA
- 4、General index
  - Power supply : 100V~240V
  - Work temp : -20°C~ +70°C
  - Storage temp : -40°C~ +85°C
  - Humidity : 0~95% non-condensing

**Panel And Connection diagram:**

