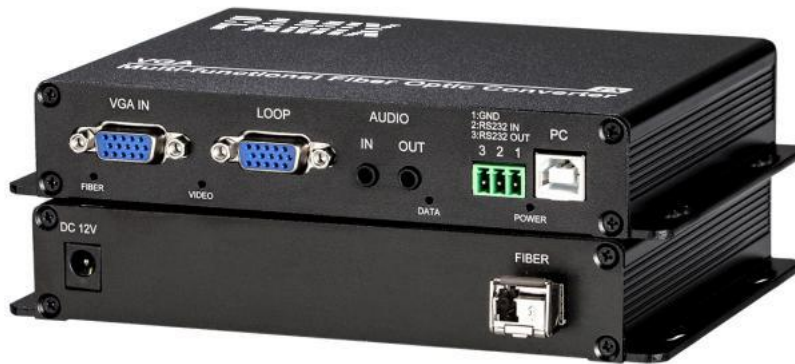


MCV-8150 VGA to Fiber Converter

PAMIX VGA to fiber converter is a multi-function media converter, it support VGA video channel with local video loop, USB (Keyboard & mouse) channel, audio bidirectional channel, RS232/RS485 bidirectional channel, IR reverse channel. It support resolution up to 1920x1080P @ 60Hz and downward compatible. PAMIX VGA media converter was in operation for long time proof its stability and compatibility with most manufacturers. It's ideal for high-performance computer remote interactive operations.



Main Features

- Support VGA video with local loop output.
- 20km distance on Single Mode, single fiber core
- Time-Base Corrector (TBC)
- 4:4:4 Chroma Sampling
- Automatic Phase Detection (APD)
- Automatic Position Calibration (APC)
- Automatic Gain calibration (AGC)
- Audio Emulation
- Delay < 1 ms

Specification

Video

Resolution	480i/p, 576i/p 720p25/30/50/60 1080i50/60 1080p24/25/30/50/60
Pixel Clock	148.5MHz maximum
Interface	HD-15
Cable length	10 meter

Audio

Sampling Frequency	48K
Sampling depth	24 bit
Dynamic Bandwidth	96 dB
Total Harmonic Distortion	-88 dB
Signal to Noise ration	96dB
In/Out Impedance	600Ω
Signal Level	VPP 3.5V
Interface	3.5mm audio socket
Signal Type	Analogue stereo channel

USB

Version	1.1
Interface (Tx/Rx)	USB Female

Optical

Interface	LC (SFP module)
Fiber Type	Single Mode, single fiber
Distance	20km
Wavelength	1330nm / 1550nm

RS232

Description	3 wire system
Transition Mode	Full duplex
Baud rate	256KHz
Data Bit	8 digits
Interface	3-pin phoenix terminal

RS485

Description	2 wire system
Transition Mode	Half duplex
Error Rate	10^{-9}
Bit Rate	0 – 400K bps
Interface	3-pin phoenix terminal

Contact Closure

Electrical input parameters	Dry node, not charged (short or disconnected)
Electrical output parameters	Dry node, not charged (short or disconnected)
Output relay maximum switching voltage	240VAC/30VDC

Output relay maximum switching current 120VAC/0.5A ,240VAC/0.25A ,30VDC/1A ,6VDC/5A
 Maximum output power (relay) 30W

Power

Input voltage 12V DC
 Power Consumption < 1.5 Watt

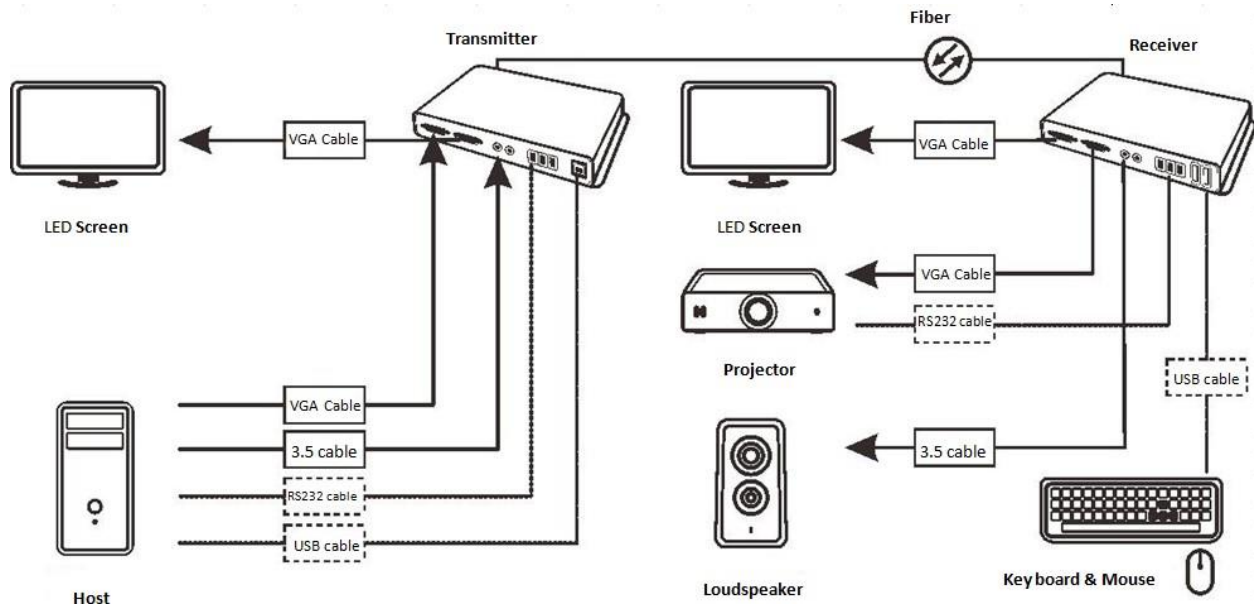
Environmental

Operating Temperature -20°C - 70°C
 Humidity 0% - 95% noncondensing

Dimensions & Weight

Device (Single) 167.0mm width, 113.0mm depth, 28mm height, 0.70kg
 Packing (Pair) 345.0mm width, 252.0mm depth, 54.0mm height, 1.10kg

Application



Ordering Information

Description	Article Number
PAMIX MCV-8150 VGA video to Single Mode Fiber Converter Pair, VGA channel, Audio channel 3.5mm BIDI, RS232/RS485 channel BIDI, LC optical interface, 20KM	5101050
PAMIX MCV-8150 VGA video to Single Mode Fiber Converter Pair, VGA channel, Audio channel 3.5mm BIDI, RS232/RS485 channel BIDI, USB 1.1 channel, LC optical interface, 20KM	5101051