

AUDIO VIDEO SYSTEM

Lightem Systems VGA Video to Fiber Converter

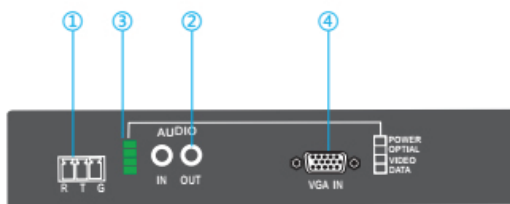
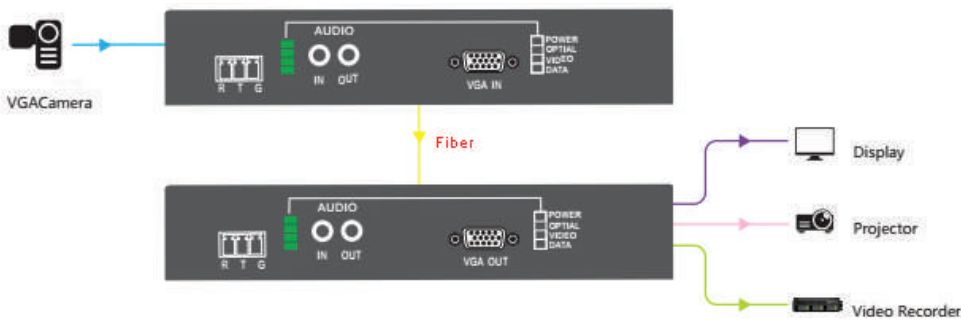
VGA Optical transmitter and receiver adopts the uncompressed digital HD video and high-speed digital optical fiber transmission technology advanced, It can transfer signal source (computer signal source,VGA signal source, high digital DVD/DVR and various resolution HDMI signal...) to long distance terminal easily, with local VGA loop through, independent analog audio, reverse 232 serial ports,with strong anti-interference performance, ensure the signal completed and stable.

FEATURES

- Fully digital, Uncompressed HD optical fiber transmission
- Exact match VGA standard protocol
- With Independent analog audio
- With Local VGA loop through the output
- With reverse R232 telecommunication
- Automatic identification and configure display mode
- Support resolution up to 1080P60 and below
- Single mode, multimode optical transmission
- ESD protection circuit inside, to ensure the ESD damage.
- Easily for installation, plug and play, no need to set up



INTERFACE OVERVIEW



Front Panel

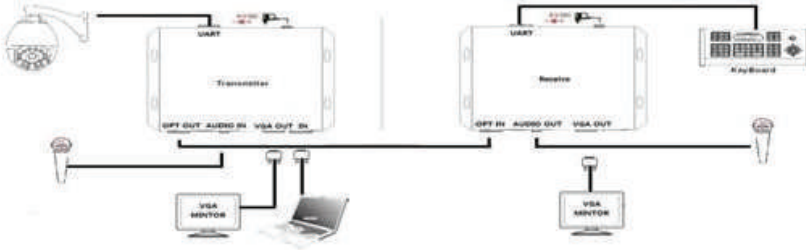


Back Panel

- 1. RS232 data port
- 2. Signal Indicator
- 3. Audio Connector
- 4. VGA Video Connector
- 5. Adapter Input Port
- 6. Fiber Port

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APPLICATION DIAGRAM



INSTALLATION

- Connect VGA input signal to the VGA_IN port by VGA cable
- Connect VGA output signal to the VGA_OUT port by VGA cable
- Connect audio input signal to the AUDIO IN
- Connect audio output signal to the AUDIO OUT
- Connect the serial port to the UART
- Connect LC fiber to OPT IN and OPT OUT.
- Power on

TECHNICAL SPECIFICATIONS

Video		
VGA In	1920x1200@60Hz	
VGA Out	DB15	
Audio		
Audio In	2, bi-directional	
Audio Out	Unbalanced(Stereo)	
Optical	10k/50 Ohms(Stereo)	
Opt Out	5 dBu/4Vpp(Stereo)	
Opt In	20Hz ~20kHz @ -3dB	
UART	>70dB @ 1k Hz (Stereo)	
DC	Terminal Block	
Indicator Light	VGA Transmitter	VGA Receiver
Video	ON	With Video Signal
	OFF	Without Video Signal
LOCK	ON	Fixed Video Signal
	OFF	Without Fixed Video Signal
RUN	ON	The device works smoothly
	OFF	The device doesn't works smoothly
POWER	ON	Power On
	OFF	Power Off

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PERFORMANCE AND SPECIFICATION

<i>Temperature</i>	
<i>Humidity</i>	-5 to +35°C
<i>The signal of Input and output</i>	5 to 90 % RH (no condensation)
	VGA
<i>Video format</i>	1920 x 1200@60
	1920 x 1080@60
	1600 x 1200@60
	1680 x 1050@60
	1280 x 1024@60
	1280 x 1024@75
	1280 x 800@60
	1280 x 768@60
	1280 x 720@60
	1024 x 768@60
	1024 x 768@75
	800 x 600@60
	800 x 600@75
<i>Transmission distance</i>	20KM
<i>Input and output audio</i>	3.5MMaudio
<i>Input and output audio format</i>	44.1K,48K,96K,176K,192K
<i>Serial port Baud rate</i>	Support 115200 and below
<i>Input voltage</i>	DC 5V, inside+ outside-
<i>Power consumption</i>	VGA Receiver 4W
	VGA Transmitter 4W
<i>Device size</i>	L*W*H (mm)120X97.5X25.2

ORDERING INFORMATION

P/N	
LVGAF - x	
x-	S: Singlemode
	M: Multimode