

HC3711B-T/R

DVI/VGA Fiber Optic Transmitter and Receiver

1-Channel VGA/DVI, 1-Channel Audio, 1-Channel RS232 Fiber Optic Transmission

Data Sheet

Fiber Optics

VGA/DVI Fiber Optic Transmitter and Receiver



Features

- ★ 1-ch DVI-I/VGA video over one fiber optic
- ★ 1-ch stereo audio equidirectional transmission
- ★ 1-ch RS232 data with the transmission
- ★ 10-bit digital video encoding and compressed transmission technology
- ★ Long-distance transmission of industrial monitoring and large venues, etc.
- ★ Plug and play at any time, basically no need to be adjusted and could be up to image output of high-quality
- ★ Power and indicators of other parameter could monitor system status
- ★ Synchronous optic
- ★ Automatic identification of input video format, receiver output meets industry-standard video
- ★ Use DC-DC power conversion technology, effectively resist the power environmental interference

Applications

- ★ Remote OB Van/Truck Video Feeds
- ★ Broadcast Studio Camera Feeds
- ★ Long-haul Signal Transport
- ★ TV station/video conference
- ★ Lecture Hall Projector Connectivity
- ★ Medical/Surgical Room Broadcast
- ★ Small corporate campus video links
- ★ Building to Building video conference calling

Description

1-ch DVI/VGA video over one fiber optic, 1-channel stereo audio equidirectional transmission, 1-channel RS232 data, 10-bit digital video encoding and uncompressed, no adjustment, Plug and play

Ordering Information

VGA Fiber Optic Transmitter and Receiver

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Digital Video Fiber Optic Transmitter, 1-ch DVI/VGA video input, 1-ch stereo audio input and 1-ch data RS232, single mode, single fiber, SC/PC fiber connector, headphone jack, RS232 interface, standard 20km, stand-alone type,

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Digital Video Fiber Optic Receiver, 1-ch DVI/VGA video output, 1-ch stereo audio output, and 1-ch data RS232, single mode, single fiber, SC/PC fiber connector, headphone jack, RS232 interface, standard 20km, stand-alone type,

Specifications

Video	
No.	1-channel
Video type	RGB with single and sync H, V
Input level	0.7Vp-p
Output level	0.7Vp-p
Bandwidth (-3 dB)	300MHz
Bit width	10bit
Resolution	<ul style="list-style-type: none"> •1920X1080@60Hz •640X480@60Hz •1024X768@60Hz •800X600@60Hz •1600X1200@60Hz •1280X1024@60Hz •720X576@60Hz •720X480@60Hz •1440x900@60Hz •1280X720@60Hz •1680x1050@60Hz •1400 x1050@60Hz •1360x768@60Hz
Interface	HD-15 (DVI-I option)

Audio	
No.	1
Input/ output level	5Vp-p, unequilibrium
Connector	Standard 3.5 mm stereo headphone jack

RS232 indication	
Input/output interface	9-hole standard RS232 socket
Signal rate	≥115200bps
Signal level	RS232 standard level

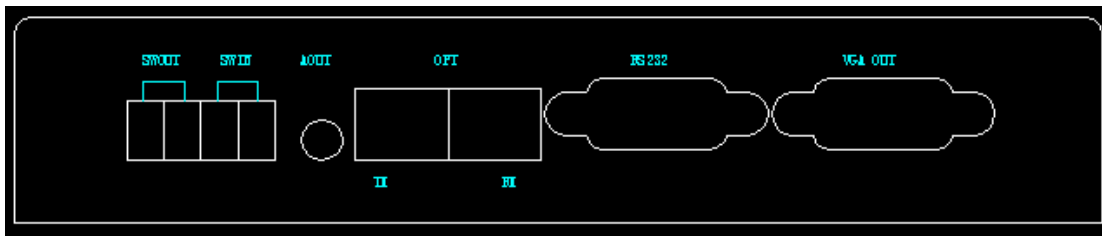
Optics	
Wavelength	1310nm
Fiber optic	Single-mode/core
Transmit optical power	- 9.5 ~ - 3dBm, average power @850nm
Max. link loss	12dB (option)
Return loss	≤10 dB
Transmission bit rate	240M Hz~1.65G Hz
Output optical power	10dBm
Receiver sensitivity	-23dBm average power @850nm
Data rate	1.25
Connector	SC (FC/ST option)

Switch indicator	
Input type	5.08 mm focal length of the Phoenix terminal, switch contact output
Output type	5.08 mm focal length of the Phoenix terminal, switch contact output , capacity 24VDC/1A
Reaction speed	Better than0.1 second

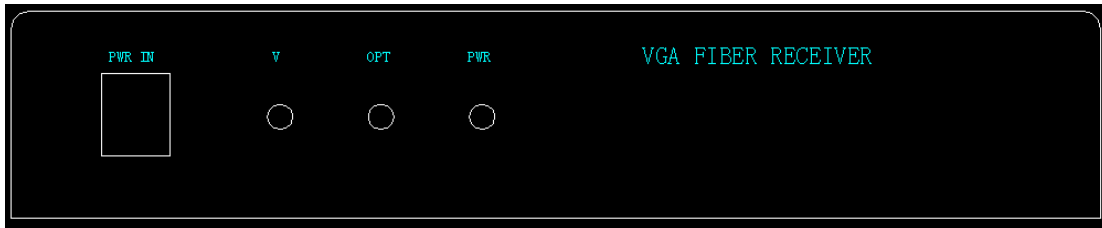
Power and environmental indication	
Freestanding power	5W
Dimension	237mm * 180mm *28.5mm(high)
Power adapter	220VAC to 12VDC/1A
Operating temperature	-40°C to +70°C
Storage temperature	-40°C~+80°C
Relative humidity	< 95% (no condensation)

Front and Rear Panel Instruction

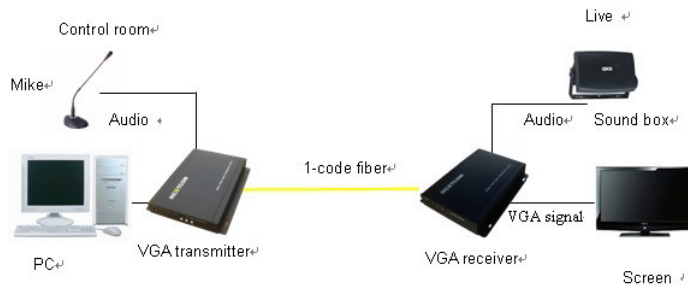
Front Panel



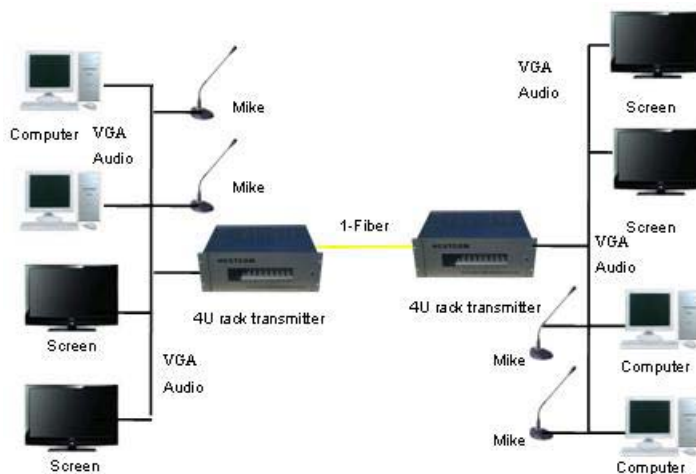
Rear Panel



Application



Diagram



1U chassis for 4-Channel VGA



HC3714-T/R

4U chassis for 15-Channel VGA



HC3715-T/R