

DVI To Fiber Converters

DVI0111-3G

◆ DVI To Fiber Converters + 1 audio+1-port RS232, 3G, Uncompressed

Features

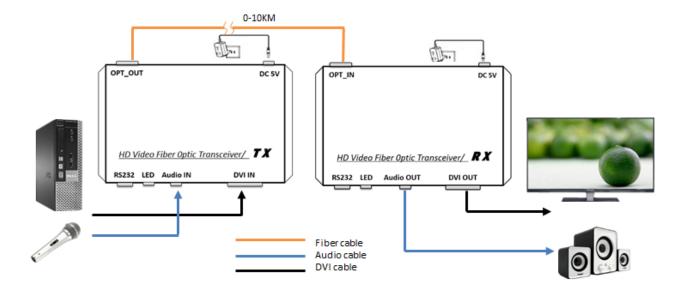
- Transmits DVI video signals up to 10km over a pair fiber optic cable;
- Support video resolution up to 1920*1080P@60Hz;
- Support external stereo audio unidirectional transmission;
- Support RS232 signal unidirectional transmission, baud rate self-adaptive;
- Compliance with DVI 1.0 and HDCP 1.2 standard;
- High compatibility, can auto-match source and display device
- Built-in automatic adjustment system, make the image smooth, clear and stable
- Built-in ESD protection system
- Simple to install, plug and play



> Introduction

The DVI0111-3G Fiber optic extender provides extension of DVI signals long distances over one fiber optic cable, it supports high resolution up to 1080P, RS232 signal and external audio transmission function. The extender can use for a wide range of applications requiring long distance transmission of high resolution with high quality by its good stability and powerful security.

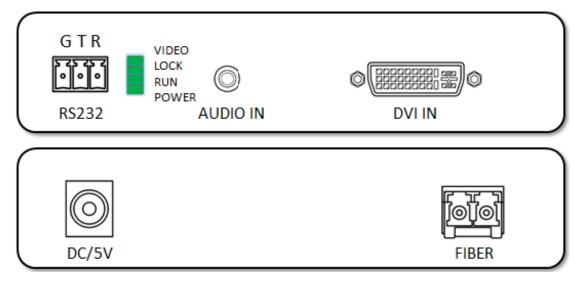
Application



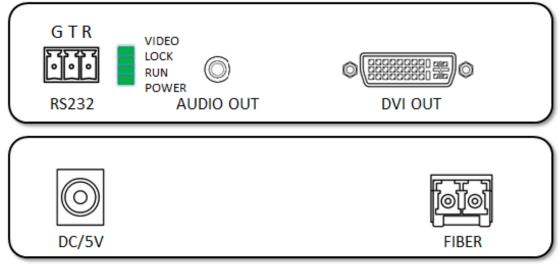
> Specification

| Standards DVI 1.0; HDCP 1.2 | - | |
|--|-----------------------|--|
| Maximum pixel clock 165MHz Maximum data rate 2.97Gbps Resolution range 1920*1080@60Hz 1920*1080@25Hz 1920*1080@25Hz 1920*1080@24Hz 1080[@60Hz 1080[@60Hz 1280*720@60Hz 1280*720@50Hz 1280*720@60Hz 1280*720@50Hz 1280*720@60Hz 1280*720@60Hz 1280*720@60Hz 100Ω DVI Cable Range <5M(Resolution: 1920*1080@60Hz) | Video | |
| Maximum data rate 2.97Gbps Resolution range 1920*1080@60Hz 1920*1080@50Hz 1920*1080@24Hz 1920*1080@25Hz 1920*1080@25Hz 1280*720@60Hz 10801@50Hz 1280*720@50Hz Connector DVI-D Interface DVI-D Interface DVI Cable Range <5M(Resolution: 1920*1080@60Hz) | Standards | DVI 1.0; HDCP 1.2 |
| 1920*1080@60Hz 1920*1080@50Hz 1920*1080@30Hz 1920*1080@25Hz 1920*1080@24Hz 1080I@60Hz 1080I@50Hz 1280*720@60Hz 1280*720@50Hz 1280*720@60Hz 1280*720@50Hz 1280*720@60Hz 1280*720@50Hz | Maximum pixel clock | 165MHz |
| 1920*1080@30Hz 1920*1080@25Hz 1920*1080@24Hz 1080@60Hz 10801@50Hz 1280*720@60Hz 1280*720@50Hz | Maximum data rate | 2.97Gbps |
| 1920*1080@24Hz 10801@50Hz 1280*720@50Hz 1280*720@60Hz 1280*720@50Hz 1280*720*720Hz 1280*720*720Hz 1280*720*720Hz 1280*720*720Hz 1280*720*720*720Hz 1280*720*720*720Hz 1280*720*720*720Hz 1280*720*7 | Resolution range | 1920*1080@60Hz 1920*1080@50Hz |
| 10801@60Hz 10801@50Hz 1280*720@50Hz Connector DVI-D Interface DVI Cable Range <5M(Resolution: 1920*1080@60Hz) Impedance 100Ω Audio Interface 3.5mm earphone seat Signal type Stereo RS232 Interface Industrial terminal Signal direction Unidirectional Baud rate Self-adaptive, Max:115200bps Data bits 8 Optical fiber Interface SFP model − LC connector Fiber type Single-mode, single fiber Wavelength Single-mode 1310nm Interface bandwidth 3Gbps Transmission distance 10Km Other Power supply DC12V Power dissipation MAX 6W LED indicator S: Video signal connection indicator | | |
| 1280*720@60Hz 1280*720@50Hz | | 1920*1080@24Hz |
| Connector DVI-D Interface DVI Cable Range <5M(Resolution: 1920*1080@60Hz) | | |
| DVI Cable Range $<5M(Resolution: 1920*1080@60Hz)$ Impedance 100Ω Audio Interface $3.5mm$ earphone seat Signal type Stereo RS232 Interface Industrial terminal Signal direction Unidirectional Baud rate Self-adaptive, Max:115200bps Data bits 8 Optical fiber Interface SFP model – LC connector Fiber type Single-mode, single fiber Wavelength Single-mode 1310nm Interface bandwidth 3Gbps Transmission distance 10Km Other Power supply DC12V Power dissipation MAX 6W LED indicator S: Video signal connection indicator P: System power indicator Temperature Operating: $5\% \sim 90\%$ Dimension $136*130*30mm$ | | |
| Impedance 100Ω Audio 3.5mm earphone seat Signal type Stereo RS232 Interface Industrial terminal Signal direction Unidirectional Baud rate Self-adaptive, Max:115200bps Data bits 8 Optical fiber Interface SFP model – LC connector Fiber type Single-mode, single fiber Wavelength Single-mode 1310nm Interface bandwidth 3Gbps Transmission distance 10Km Other Other Power supply DC12V Power dissipation MAX 6W LED indicator S: Video signal connection indicator P: System power indicator Temperature Operating: 5°C ~ +70°C Humidity Operating: 5% ~ 90% Dimension 136*130*30mm | Connector | DVI-D Interface |
| Audio Interface 3.5mm earphone seat Signal type Stereo R8232 Interface Industrial terminal Signal direction Unidirectional Baud rate Self-adaptive, Max:115200bps Data bits 8 Optical fiber Interface SFP model – LC connector Fiber type Single-mode, single fiber Wavelength Single-mode 1310nm Interface bandwidth 3Gbps Transmission distance 10Km Other Power supply DC12V Power dissipation MAX 6W LED indicator S: Video signal connection indicator P: System power indicator Temperature Operating: -5°C ~ +70°C Humidity Operating: 5% ~ 90% Dimension 136*130*30mm | DVI Cable Range | <5M(Resolution: 1920*1080@60Hz) |
| Interface 3.5mm earphone seat Signal type Stereo R8232 Interface Industrial terminal Signal direction Unidirectional Baud rate Self-adaptive, Max:115200bps Data bits 8 Optical fiber Interface SFP model – LC connector Fiber type Single-mode, single fiber Wavelength Single-mode 1310nm Interface bandwidth 3Gbps Transmission distance 10Km Other Power supply DC12V Power dissipation MAX 6W LED indicator S: Video signal connection indicator P: System power indicator Temperature Operating: -5°C ~+70°C Humidity Operating: 5% ~ 90% Dimension 136*130*30mm | Impedance | 100Ω |
| Signal type Stereo RS232 Interface Industrial terminal Signal direction Unidirectional Baud rate Self-adaptive, Max:115200bps Bigle-mode 1310nm Bigle-mode 13 | Audio | |
| Interface Industrial terminal Signal direction Unidirectional Baud rate Self-adaptive, Max:115200bps Data bits 8 Optical fiber Interface SFP model – LC connector Fiber type Single-mode, single fiber Wavelength Single-mode 1310nm Interface bandwidth 3Gbps Transmission distance 10Km Other Power supply DC12V Power dissipation MAX 6W LED indicator S: Video signal connection indicator P: System power indicator Temperature Operating: -5°C ~ +70°C Humidity Operating: 5% ~ 90% Dimension 136*130*30mm | Interface | 3.5mm earphone seat |
| Interface Industrial terminal Signal direction Unidirectional Baud rate Self-adaptive, Max:115200bps Data bits 8 Optical fiber Interface SFP model – LC connector Fiber type Single-mode, single fiber Wavelength Single-mode 1310nm Interface bandwidth 3Gbps Transmission distance 10Km Other Power supply DC12V Power dissipation MAX 6W LED indicator S: Video signal connection indicator P: System power indicator Temperature Operating: -5°C ~+70°C Humidity Operating: 5% ~ 90% Dimension 136*130*30mm | Signal type | Stereo |
| Signal direction Baud rate Self-adaptive, Max:115200bps Bata bits 8 Optical fiber Interface SFP model – LC connector Fiber type Single-mode, single fiber Wavelength Single-mode 1310nm Interface bandwidth 3Gbps Transmission distance 10Km Other Power supply DC12V Power dissipation MAX 6W LED indicator S: Video signal connection indicator P: System power indicator Temperature Operating: -5 °C ~ +70 °C Humidity Operating: 5% ~ 90% Dimension 136*130*30mm | RS232 | |
| Baud rate Self-adaptive, Max:115200bps 8 Optical fiber Interface SFP model – LC connector Fiber type Single-mode, single fiber Wavelength Single-mode 1310nm Interface bandwidth 3Gbps Transmission distance 10Km Other Power supply DC12V Power dissipation MAX 6W LED indicator S: Video signal connection indicator P: System power indicator Temperature Operating: -5°C ~ +70°C Humidity Operating: 5% ~ 90% Dimension 136*130*30mm | Interface | Industrial terminal |
| Data bits 8 Optical fiber Interface SFP model – LC connector Fiber type Single-mode, single fiber Wavelength Single-mode 1310nm Interface bandwidth 3Gbps Transmission distance 10Km Other Power supply DC12V Power dissipation MAX 6W LED indicator S: Video signal connection indicator P: System power indicator Temperature Operating: 5°C ~ +70°C Humidity Operating: 5% ~ 90% Dimension 136*130*30mm | Signal direction | Unidirectional |
| Optical fiberInterfaceSFP model – LC connectorFiber typeSingle-mode, single fiberWavelengthSingle-mode 1310nmInterface bandwidth3GbpsTransmission distance 10 KmOtherPower supplyDC12VPower dissipationMAX 6WLED indicatorS: Video signal connection indicator P: System power indicatorTemperatureOperating: -5° C $\sim +70^{\circ}$ CHumidityOperating: $5\% \sim 90\%$ Dimension $136*130*30$ mm | Baud rate | Self-adaptive, Max:115200bps |
| Interface SFP model – LC connector Fiber type Single-mode, single fiber Wavelength Single-mode 1310nm Interface bandwidth 3Gbps Transmission distance 10Km Other Power supply DC12V Power dissipation MAX 6W LED indicator S: Video signal connection indicator P: System power indicator Temperature Operating: -5° C $\sim +70^{\circ}$ C Humidity Operating: $5\% \sim 90\%$ Dimension 136*130*30mm | Data bits | 8 |
| Fiber type Single-mode, single fiber Wavelength Single-mode 1310nm Interface bandwidth 3Gbps Transmission distance 10Km Other Power supply DC12V Power dissipation MAX 6W LED indicator S: Video signal connection indicator P: System power indicator Temperature Operating: -5°C ~+70°C Humidity Operating: 5% ~ 90% Dimension 136*130*30mm | Optical fiber | |
| Wavelength Interface bandwidth 3Gbps Transmission distance 10Km Other Power supply Power dissipation LED indicator Temperature Operating: -5°C ~ +70°C Humidity Operating: 5% ~ 90% Dimension Single-mode 1310nm MAX MM Single-mode 1310nm 136*130*30mm | Interface | SFP model – LC connector |
| Interface bandwidth 3Gbps Transmission distance 10Km Other Power supply DC12V Power dissipation MAX 6W LED indicator S: Video signal connection indicator P: System power indicator Temperature Operating: -5° C $\sim +70^{\circ}$ C Humidity Operating: 5° % $\sim 90^{\circ}$ 6 Dimension 136*130*30mm | Fiber type | Single-mode, single fiber |
| Transmission distance 10Km Other Power supply $DC12V$ Power dissipation $MAX 6W$ LED indicator $S: Video signal connection indicator$ P: System power indicator Temperature $Operating: -5 ^{\circ}C \sim +70 ^{\circ}C$ Humidity $Operating: 5\% \sim 90\%$ Dimension $136*130*30 \text{mm}$ | Wavelength | Single-mode 1310nm |
| OtherPower supplyDC12VPower dissipationMAX 6WLED indicatorS: Video signal connection indicatorP: System power indicatorP: System power indicatorTemperatureOperating: $-5 ^{\circ}\mathbb{C} \sim +70 ^{\circ}\mathbb{C}$ HumidityOperating: $5\% \sim 90\%$ Dimension $136*130*30 ^{\circ}$ mm | Interface bandwidth | 3Gbps |
| Power supply DC12V Power dissipation MAX 6W LED indicator S: Video signal connection indicator P: System power indicator Temperature Operating: -5° C $\sim +70^{\circ}$ C Humidity Operating: $5\% \sim 90\%$ Dimension $136*130*30$ mm | Transmission distance | 10Km |
| Power dissipation MAX 6W LED indicator S: Video signal connection indicator P: System power indicator Temperature Operating: $-5^{\circ}\text{C} \sim +70^{\circ}\text{C}$ Humidity Operating: $5\% \sim 90\%$ Dimension $136*130*30\text{mm}$ | Other | |
| LED indicator S: Video signal connection indicator P: System power indicator Temperature Operating: $-5^{\circ}\mathbb{C} \sim +70^{\circ}\mathbb{C}$ Humidity Operating: $5\% \sim 90\%$ Dimension $136*130*30 \text{mm}$ | Power supply | DC12V |
| P: System power indicator Temperature Operating: $-5^{\circ}\mathbb{C} \sim +70^{\circ}\mathbb{C}$ Humidity Operating: $5\% \sim 90\%$ Dimension $136*130*30 \text{mm}$ | Power dissipation | MAX 6W |
| Temperature Operating: $-5^{\circ}\text{C} \sim +70^{\circ}\text{C}$ Humidity Operating: $5\% \sim 90\%$ Dimension $136*130*30\text{mm}$ | LED indicator | S: Video signal connection indicator |
| Humidity Operating: $5\% \sim 90\%$ Dimension $136*130*30$ mm | | P: System power indicator |
| Dimension 136*130*30mm | Temperature | Operating: -5° C $\sim +70^{\circ}$ C |
| | Humidity | Operating: 5% ~ 90% |
| The warranty 1 year free warranty | Dimension | 136*130*30mm |
| | The warranty | 1 year free warranty |

> Panel



Transmitter



Receiver

Packing List

- DVI optical fiber transmitter ×1
- DVI optical fiber receiver ×1
- Fiber optic module×2
- Power adapter×2
- User manual ×1