**1Ch 1080P HDMI + 1Ch USB KVM + 1Ch RS232 + 1Ch Bidi Stereo Audio + 1Ch GPIO over Fiber Extender**

## Features

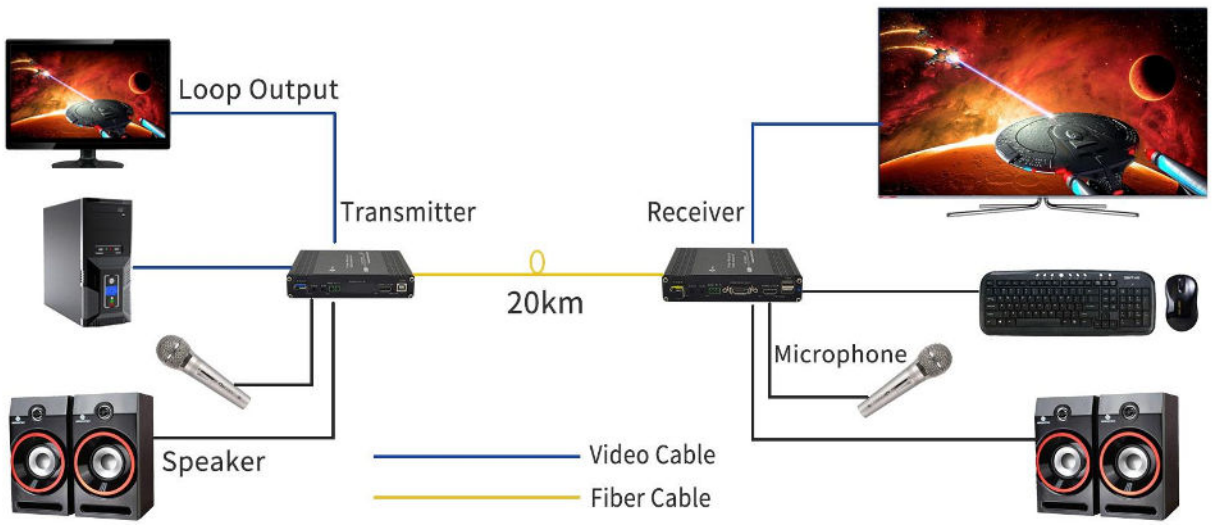
- Transmits HDMI video signals up to 20km over one fiber optic cable;
- Support video resolution up to 1920*1080P@60Hz;
- Support keyboard and mouse signal transmission;
- Support external stereo audio bi-directional transmission;
- Support RS232 signal unidirectional transmission, baud rate can be up to 460,800bps;
- Support general-purpose input/output (GPIO) signal;
- Support HDMI loop out
- Auto EDID can be disabled via DIP switch
- Compliance with HDMI 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




## Overview

The LNK-KVM-HDMI-1D1BA1GO Fiber optic extender provides extension of HDMI signals long distances over one fiber optic cable, it supports high resolution up to 1080P, KVM, RS232, GPIO 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



| Parameter | | Description |
|---|---|---|
| **Video** | Standards | HDMI V1.3 |
| | Maximum pixel clock | 165MHz |
| | Maximum data rate | 2.97Gbps |
| | Resolution | 1920*1080@60Hz 1920*1080@50Hz<br>1920*1080@30Hz 1920*1080@25Hz<br>1920*1080@24Hz<br>1080I@60Hz 1080I@50Hz<br>1280*720@60Hz 1280*720@50Hz |
| | Connector | HDMI |
| | Impedance | 100Ω |
| **Audio** | Interface | 3.5mm earphone seat |
| | Signal type | Stereo |
| **K/M** | Interface | To PC: MINI-USB<br>To keyboard and mouse: USB-A |
| **GPIO** | Interface | Industrial terminal |
| **RS232** | Interface | Industrial terminal |
| | Signal direction | Unidirectional |
| | Baud rate | Self-adaptive, Max: 460,800bps |
| | Data bits | 8 |
| **Optical fiber** | Interface | LC connector |
| | Fiber type | Single-mode single fiber |
| | Wavelength | Single-mode 1310nm |
| | Interface bandwidth | 3Gbps |
| | Transmission distance | standard 20km |
| **Other** | Power supply | The power adapter: DC 12V/1A |
| | Power dissipation | MAX 6W |
| | Temperature | Operating: -5℃ ~ +70℃ |
| | Humidity | Operating: 5% ~ 90% |
| | Dimension (LxWxH) | 168*115*28mm |
| | The warranty | 1-year warranty |

## Ordering Information

| Model | Description |
|---|---|
| ZP-KVM-HDMI-1D1BA1GO | 1Ch 1080P HDMI + 1Ch USB KVM + 1Ch RS232 + 1Ch Bidi Stereo Audio + 1Ch GPIO over Fiber Extender, HDMI Loop Out, SMF, 20KM |
| ZP-HDMI-1D1BA | 1Ch 1080P HDMI + 1Ch RS232 + 1Ch Bidi Stereo Audio over Fiber Extender, HDMI Loop Out, SMF, 20KM |