QUESTTEL
Broadcast Systems

1 CHANNEL DVI OVER OPTICAL FIBER

User Manual

L-1DVI-FE-TX/RX

Introduction

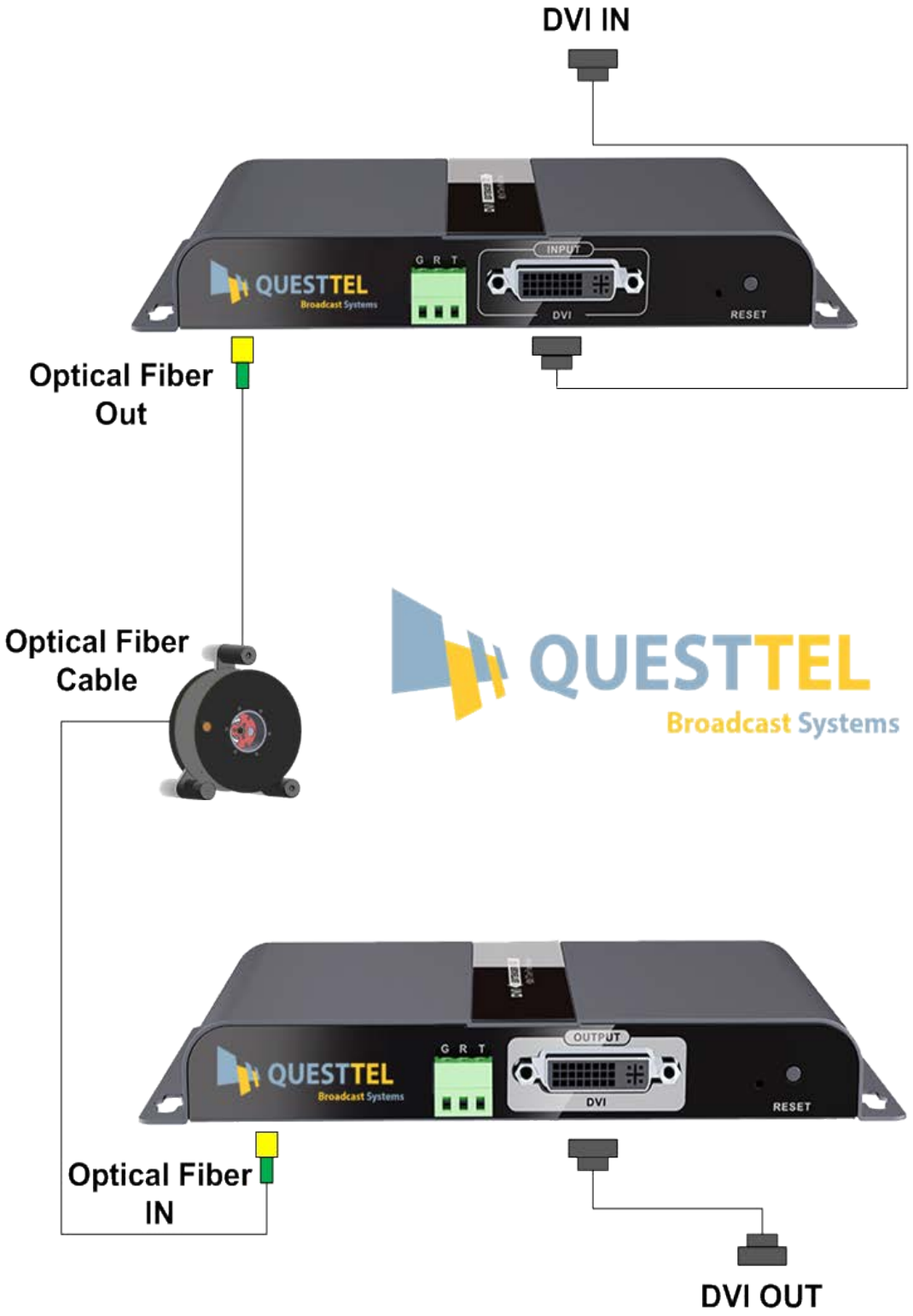
Overview

The QuestTel L-1DVI-FE-TX/RX Fiber Optic Transmitter and Receiver provides long haul transmission of high resolution DVI signals over a single fiber up to 20km. Engineered for reliability and exceptional high resolution image performance, it uses QuestTel technology to deliver perfect pixel-for-pixel transmission of computer-video images up to 1920x1080@60Hz resolution. The compact, low profile enclosure of the L-1DVI-FE-TX/RX allows for discreet installation. It can be used for simple point-to-point applications or handle the most challenging AV system designs, from a simple conference room to an enterprise-wide fiber optic distribution system.The L-1DVI-FE-TX/RX Transmitter and Receiver is ideal for a wide range of applications requiring long distance transmission of high resolution content with the highest quality. Because transmission of content is inherently secure and immune to outside interference, fiber applications are favored in government, military, and medical environments. The transmitter features industry standard SC-type Optical Connector. QuestTel L-1DVI-FE-TX/RX supports multimode and singlemode transmission. Singlemode fiber offers long-range transmission capability over extreme distances of up to 20 km (12 miles). It is used in very large facilities such as airports, stadiums, live broadcast signal transmission, remote studio, universal digital video transmission business, telecommunication signal transmission business, airport or transportation hubs as well as connecting over very long distances between facilities such as college campuses.

Feature

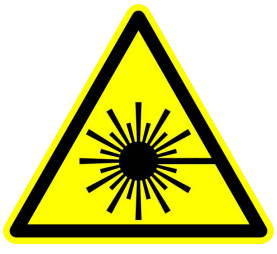
>Supports Singlemode and Multimode transmission
>Transmission distance up to 20Km over Single Mode Fiber
>Transmission distance up 500m over Multimode Fiber
>Resolution supported is up to 1920x1080@60Hz.
>Support RS232 Bi-directional pass back .
>Avoid the electromagnetic interference in environment for long distance transmission.
>Low signal loss, wide frequency band and strong anti-interference.
>Plug and play.
>Wall-mountable design, easy for installation.

Application



Tech Specs:

L-1DVI-FE-TX/RX	
>VI Signal format	>DVI-D 1.0
>DVI type	>DVI-D
>Network Cable	>Support SMF and MMF cables
>Transmission distance	>Up to 20Km over Single Mode Fiber >Up 500m over Multimode Fiber
>Support Resolutions	>800x600@60Hz, 1024x768@60Hz, 1280x720@60Hz >1280x960@60Hz, 1366x768@60Hz, 1440x900@60Hz >1680x1050@60Hz, 1920x1080@60Hz
>Working Temperature	>0℃～60℃
>Power Supply	>5V/1A*2pcs
>Product Dimensions	>177.5(L)x105(W)x23(H)mm
>Weight	>TX:400g RX:400g



WARNING !

This unit outputs continuous invisible light, which may beharmful to the eyes; use with caution. For additional safety, plug the attached dust caps into the optical transceivers when the fiber optic cable is unplugged. Direct viewing into optical connectors should be avoided at all times!