

Product Bulletin

Manufacturer

TV One

Product

1T-CT-770

3G/HD/SD-SDI Over Fiber Extender System



Product Brief Description

The **1T-CT-770** 3G/HD/SD-SDI Over Fiber System is used to send 3G/HD/SD-SDI signals to remote display devices, using one single mode 9/125um or 8/125um Fiber Optic cable. The system can be used to transmit the output of an HD/SDI camera over long distances to a remote monitor using a single fiber optic cable. The individual components of this 3G/HD/SD-SDI Extender over Fiber product consists of the 1T-CT-771 Transmitter and the 1T-CT-772 Receiver which constitute a system used to transmit 3G/HD/SD-SDI signals at resolutions up to 1080p. SMPTE 424M (3G SDI) protocols are supported as well as SMPTE 292M (HD-SDI) and 259M (SD-SDI) protocols.

The 1T-CT-770 system can achieve distribution distances of up to 30km (18.6 miles) for signals with 1080p resolution using 1.485G infrastructure. Input signals are Re-Clocked which prevents deterioration and allows for reconstitution of the signals at the receiving end so that output signal characteristics are the same as those present on the input signal.

Benefits

Features

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|---|---------------------------------------|
| • 1080p Signal Distribution to 18.6 Miles | • Long distance HD/SDI |
| • Signal Re-Clocking | • Lossless transmission |
| • Data Transfer Rate up to 3Gbps | • High Bandwidth over one fiber cable |
| • Supports SMPTE 424M, 292M & 259M | • Transmits all SDI SMPTE formats |
| • 3 Year Warranty | • Reliable construction |

Applications

- Broadcast Video Production
- Video Editing
- Studio to Studio
- CATV head end

Comparison Matrix

Features/Spec's	TV One 1T-CT-770	TV One 1T-CT-570
List Price	\$1495	\$595
Video Input/Output	BNC Connector	DVI-D Connector
Maximum Transmission Distance	18.6 Miles	1640 Feet
# of Fiber Optic Cables Required	1 single mode 9/125um or 8/125um	4 multi-mode fiber optic cables
Max. Video Resolution	1920x1080p	1920x1080p
Power Supplies included	Yes	Yes