3G/HD/SD-SDI Over Fiber System

Models 1T-CT-770

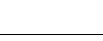
MONETASK

1T-CT-770 3G/HD/SD-SDI Over Fiber System is used to send 3G/HD/SD-SDI signals to remote display devices, 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 and 30km (18.6 miles) for signals 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.



Video I/O



Fiber I/O 1T-CT-771 - Fiber Output 1x via ST Connector 1T-CT-772 - Fiber Input

Fiber Cable Requirement Single Mode

1T-CT-771 Tx-SDI Input

1T-CT-772 Rx-SDI Output

Supported Protocols Industry Standards

Video Performance Maximum Resolution **Power Budget**

Link Power Budget **Nominal Signal Level** 800 mV/p-p

Maximum Range

1T-CT-771/772 System

1x via BNC Connector 1x via BNC Connector

1x via ST Connector

9/125um or 8/125um

SMPTE 424M (3G-SDI), 292M (HD-SDI), 259M (SD-SDI)

Up to 1080p/60Hz

11dB Minimum

+/- 50 mV

30km (18.6 Mi) 1080p, 30km (18.6 mi) 1.485G

Key Features of the 1T-CT-770

- Resolutions up to 1080p @ 60Hz
- 1080p Signal Distribution to 30km (18.6 Miles)
- Signal Re-Clocking is standard
- Supports SMPTE 424M, 292M & 259M
- Data Transfer Rate up to 3Gbps
- 3 Year Warranty

Environmental

Operating Temperature Operating Humidity Storage Temperature Storage Humidity Warranty

Limited Warranty

Regulatory Approvals Encoder/Decoder Unit

Power Supply

Mechanical

Size (HWD) Weight

Power Requirement External Power Supply

Accessories Included 2x Power Adapter

1x User Manual **Model Number**

1T-CT-770

-20° to +70° C (-4° to +158° F)

5% to 95%, Non-condensing -30° to +85° C (-22° to +185° F)

5% to 95%, Non-condensing

3 Years Parts and Labor

FCC, CE, RoHS

PSE, UL, CUL, FCC, CE, PSE,

TUV-GS, RoHS

19.5x19.5x83mm (.76x.76x3.25")

56g (0.12lbs) each

5 VDC@1.5A, Locking DC

US, UK or Euro

3G/HD/SD-SDI Over Fiber Ext'dr

Panel Drawings

