

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.



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

Specifications

Video I/O

1T-CT-771 Tx-SDI Input	1x via BNC Connector
1T-CT-772 Rx-SDI Output	1x via BNC Connector

Fiber I/O

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

Fiber Cable Requirement

Single Mode	9/125um or 8/125um
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Supported Protocols

Industry Standards	SMPTE 424M (3G-SDI), 292M (HD-SDI), 259M (SD-SDI)
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Video Performance

Maximum Resolution	Up to 1080p/60Hz
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Power Budget

Link Power Budget	11dB Minimum
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Nominal Signal Level

800 mV/p-p	+/- 50 mV
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Maximum Range

1T-CT-771/772 System	30km (18.6 Mi) 1080p, 30km (18.6 mi) 1.485G
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Environmental

Operating Temperature	-20° to +70° C (-4° to +158° F)
Operating Humidity	5% to 95%, Non-condensing
Storage Temperature	-30° to +85° C (-22° to +185° F)
Storage Humidity	5% to 95%, Non-condensing

Warranty

Limited Warranty	3 Years Parts and Labor
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Regulatory Approvals

Encoder/Decoder Unit	FCC, CE, RoHS
Power Supply	PSE, UL, CUL, FCC, CE, PSE, TUV-GS, RoHS

Mechanical

Size (HWD)	19.5x19.5x83mm (.76x.76x3.25")
Weight	56g (0.12lbs) each

Power Requirement

External Power Supply	5 VDC@1.5A, Locking DC
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Accessories Included

2x Power Adapter	US, UK or Euro
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Model Number

1T-CT-770	3G/HD/SD-SDI Over Fiber Ext'dr
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Panel Drawings

