



Vi-Link

Fiber Optic Communications

One Channel High Quality 3G HD-SDI Broadcast Video With Fiber Loop-Through

CCTV Equipment Series

Model DL1SB



Product Description

VI-LINK Single Channel HD SDI Video equipment: The VI-LINK DL1SB is a fiber optic digital Transmitter that designed to be used with DL1800 in the Daisy-Chan Configuration for transmitting 1 high quality 3G HD SDI digital video channel with video pathological code over a single mode fiber optic cable. It is a cost effective selection for transporting broadcast quality video images from multiple locations (up to 18 locations).

The DL1SB is compatible with all SMPTE rates: SMPTE259M SDI from 143 to 360 Mbps, SMPTE344M 540Mbps, SMPTE292M HD-SDI 1.485 Gbps, SMPTE372M Dual Link HD-SDI 2,97 Gbps, SMPTE424M Dual Speed 3G-SDI 2.97 Gbps serial digital signal over long distance single mode fiber optic cable.

The DL1SB offers a fully serial digital video encoding/decoding of uncompressed real time video providing adjustment free operation over a wide operational range. Using AGC technology for distances from back-to-back to 50 Kilometers, our digital signaling offers superior receiver output stability, which is unaffected by changes in fiber path attenuation due to aging or splicing points. The extended temperature capability of the DL1SB satisfies very critical applications requiring high quality video performance with high reliability. It is a the direct replacement equipment for upgrading old analog video monitoring network to the high quality HD video monitoring system.

Applications include ITS Intelligent Traffic System, Metro & Railroad systems, Avionic Surveillance, Oil and Gas Systems, Homeland Security, Utility Management, Premise Networks, Military Hardened applications or anything requiring HD quality video performance.

Features

- Uncompressed Digital Video Transmission
- Real Time High Quality Broadcast 3G-HD-SDI Video
- Compatible with all SMPTE3G SDI Rates
 - SMPTE259M SDI from 143 to 360 Mbps, SMPTE344M 540Mbps,
 - SMPTE292M HD-SDI 1.485 Gbps,
 - SMPTE372M Dual Link HD-SDI 2,97 Gbps,
 - SMPTE424M Dual Speed 3G-SDI 2.97 Gbps
- Fully Compliant with Video Pathological Code
- Fiber Loop-Through for Daisy-Chain Configuration
- Total Distance up to 50 Km
- NEMA Temperature

Applications

- Broadcasting Video Transmission
- High Quality HD-SDI Video Monitoring in Traffic Operation (ITS)
- High Quality Images METRO Security
- Avionic Surveillance System
- Oil & Gas Perimeter Intruder Detection
- Military Applications
- Premise Networks
- Any High Quality Video Requirement

Ordering Information

Model	Descriptions
DL1SBTST03	One Channel 3 HD SDI (Video Tx) with Fiber Loop Through Port , SM ST, 50Km, +12 VDC

*** Please Consult Factory for Additional Model Numbers***



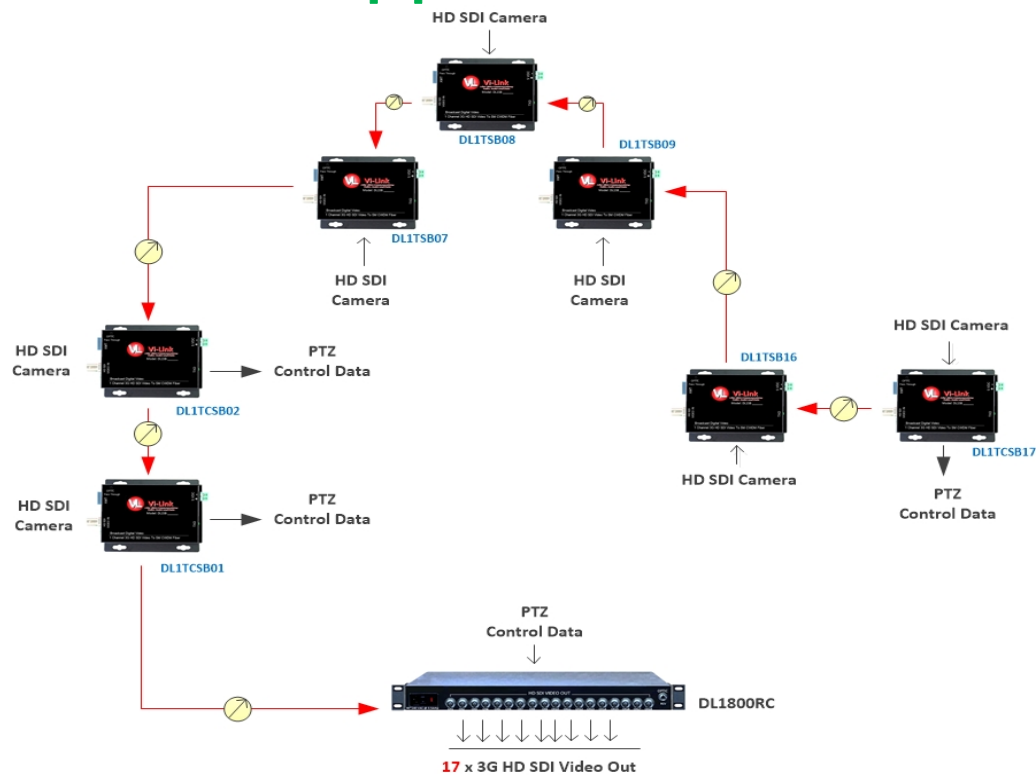
HDTV Equipment Series

Model DL1SB

System:	
Error Rate	1 in 10 ¹² or Better
Indicators	PWR, Video
Optical:	
Transmitter	DFB Laser
Tx	1270~1610nm
Loop Through	1270~1610nm
Power Budget	20 dB @ SM
Connector	ST
Environment:	
Operating	-34 ⁰ C to +74 ⁰ C
Storage	-40 ⁰ C to + 95 ⁰ C
Humidity	98% Non-Condensing
Physical:	
Standalone	1.25" x 3.5" x 2.5"

3G HD-SDI Video Interface:	
Channel	1 x 3G HD-SDI
Format	SMPTE 259M, 292M, 344M 372M, and 424M
Speed	143Mps~2.97 Gbps
Full HD Revolution	1280 x 720P @ 50/60fps 1920 x 1080P @ 50/60fps
Signal Level	800mVp-p +/-10%
Connector	BNC
Impedance	75 Ohms
Indicator	TXLEDs or RXLEDs
Power:	
Standalone	+5 VDC

Application



Typical DL1SB In Daisy-Chain Application