



## Overview

**VILINK new generation HDcctv equipment:** The VILINK DL410 is a fiber optic digital Transmitter/multiplexer for transmitting 4 channels 3G HD/SDI or SDI video signal and one Uni-directional PTZ data over a single mode fiber optic cable. It is a cost effective selection for transporting High Definition quality pictures in CCTV applications.

The DL410 Series is compatible with SMPTE-424M HD-SDI, SMPTE-292M HD-SDI and SMPTE-259M SDI serial digital signal over long distance single mode fiber optic cable. It also supports DVB—ASI and many other video formats. In addition, it is capable of transmitting in-reversed directional data of EIA-RS-232 or EIA-RS-422/EIA-RS-485 data formats.

The DL410 series offers a fully serial digital video encoding/decoding of uncompressed real time video providing adjustment free operation over a wide operational range. Using AGC and CWDM technologies 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 DL410 satisfies very critical applications requiring high quality video performance with high reliability.

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

## Features

- 4 Channels 3G HD-SDI & SDI video
- Real Time Digital Video Transmission
- Supports SMPTE 259M, 292M, 424M
- CWDM Transmission Technology
- Uni-Directional RS-232/RS-422/485
- AGC Single mode Transmission of 0 to 50 Km
- 1 RU Rack mountable
- NEMA Temperature

## Applications

- ITS Traffic Applications
- METRO & Railroad Applications
- Oil & Gas Monitoring
- Long Distance CCTV/PTZ
- Homeland Security
- Utility System
- Military Applications
- Premise Networks
- Any High Quality Video Requirement

## Ordering Information

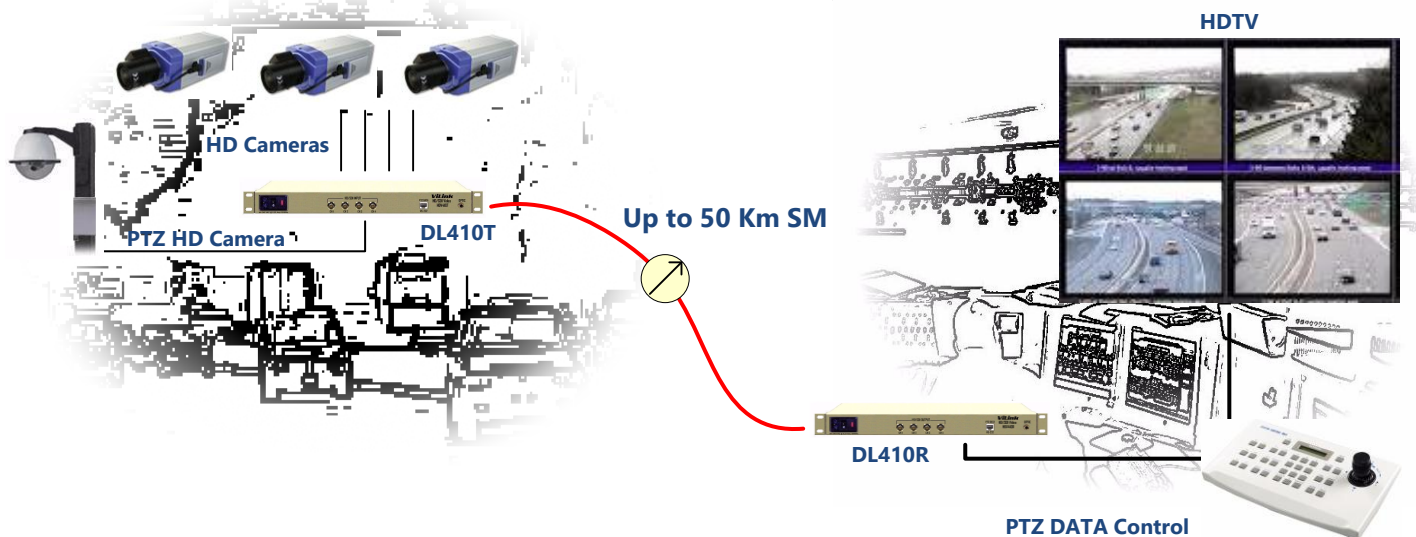
Model	Descriptions
DL410TST05	FO HDcctv 4 Channels HD/SDI Video Tx, Uni-Directional RS-232/422 Data, CWDM SM ST, 50Km, 90~240 VAC
DL410RST05	FO HDcctv 4 Channels HD/SDI Video Tx, Uni-Directional RS-232/422 Data, CWDM SM ST, 50Km, 90~240 VAC

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

<b>System:</b>	
Error Rate	1 in 10 <sup>12</sup> or Better
Indicators	PWR. Links
<b>Optical:</b>	
Transmitter	CWDM Lasers
Tx	1470nm~1530nm
Rx	1310nm
Receiver	PIN
Tx	1310nm
Rx	1470nm~1530nm
Power Budget	20 dB @ SM
Connector	ST, FC, SC
<b>Environment:</b>	
Operating	-34 <sup>o</sup> C to +74 <sup>o</sup> C
Storage	-40 <sup>o</sup> C to + 95 <sup>o</sup> C
Humidity	98% Non-Condensing
<b>Power:</b>	
Rack mountable	90~240 VAC

<b>HD-SDI Video Interface:</b>	
Channel	4 x 3G HD-SDI
Format	SMPTE 259M, 292M and 424M
Speed	143Mbps~540Mbps & 1.485 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	TX/RX
<b>PTZ Data:</b>	
Channel	1
Speed	DC to 19.2 Kbps
Format	RS-232 / RS-422
Connector	RJ45
<b>Physical:</b>	
Dimensions	19" x 10" x 1.75"
Weight	5 lbs

## Application



**Typical DL410 Application**