



**Features**

- High performance & cost effective
- Supports HD/SD/ASI signals
- Dual Optical Outputs
- Re-clocking (270,1438,1485 Mbps) + local loop-through
- LED indicators
- 1310nm operation (other λ upon request)
- Contact closure alarm
- Compact & rugged design 142mm(L) x 82mm(W) x 47mm(H)

**Description**

The DOTX-2xxx is a high performance dual optical transmitter capable of supporting HD, SD and ASI. Each channel is independent of rate and data format. Optical links are capable of long distance error free transmission and excellent isolation. External passive optical multiplexers can also be used increase the channel capacity of optical links whilst simultaneously avoiding the problems and limitations associated with TDM multiplexing. Up to 30KM path length is possible when used with the complementary receiver to the DORX-2xxx or OTRX-2xxx receiver. The Optical SFPs are available as the options based on performance and wavelength applications.

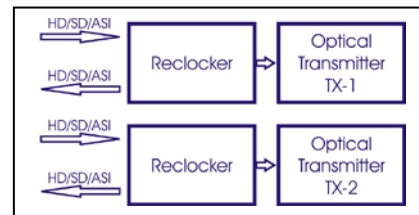
**Specifications**

**Electrical Inputs**

Number of Inputs	1
Data Rate	270 1483 & 1485 Mbps
Return Loss	>15dB (5MHz – 1.5GHz)
Cable Eq.	0 to 120m Belden 1694A (HD) 0 to 250m Belden 8281A (SD)
Impedance	75 ohm
Connectors	BNC female

**Optical Outputs (re-clocked local loop through)**

Number of Inputs	2
Data Rate	270, 1483 & 1485 Mbps
Wavelength	1310nm operation (other λ upon request)
Optical Power	-2dBm (typical)
Connectors	LC (except DOTX-2012) SC/PC (DOTC-2012)



**Electrical Outputs**

Number of Outputs	2
Signal Level	800mV p-p +/- 100mV
Return Loss	>15dB (5MHz – 1.5GHz)
Impedance	75 ohm
Connectors	BNC female

**Alarm & Control Interface – for each channel**

- Loss & Presence LED indicator
- SD/ASI LED indicator
- HD LED indicator
- Auto HD/SD/ASI, HD Only or SD Only selection
- Solid state alarm relay contacts

**Supported Standards**

- SMPTE - 259M (270Mbit/s), 292M (1483, 1485Mbit/s)
- DVB-ASI - EN50083-9 (270Mbit/s)

**Accessories (extra)**

- High performance, 110-240V universal input, 12V @1.5A output
- Power lead, SAA approved, 2M, IEC320-C14 connector

**Compatibility**

- Compatible with all SBC and third party products supporting digital video interfaces

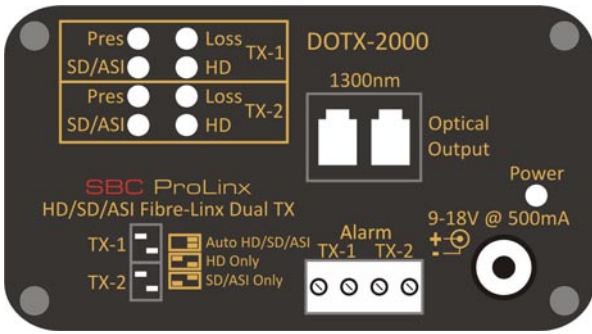
**Compliances**

- CE; UL; C-Tick
- RoHS Compliant Directive 2002/95/EC

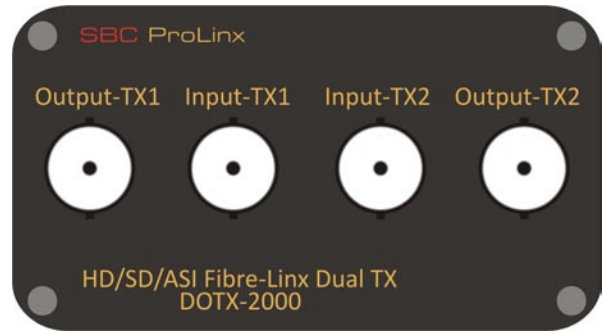
**Ordering Information**

- DOTX-2000 Dual 1310nm Optical TX
- DOTX-2010 1310nm & 1550nm Optical TX
- DOTX-2012 1310nm & 1550nm Optical TX + CWDM mux
- DOTX-2020 1510nm & 1530nm Optical TX
- DOTX-2030 1550nm & 1570nm Optical TX
- PSLV-1200, 240V AC/12V DC power supply

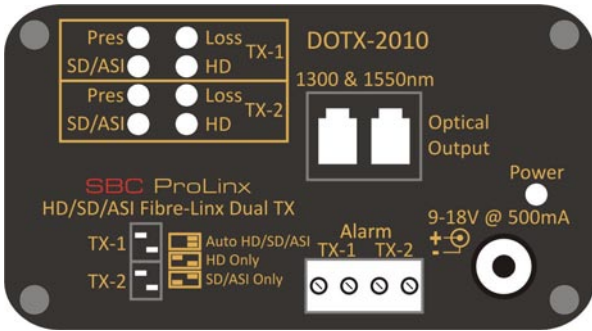
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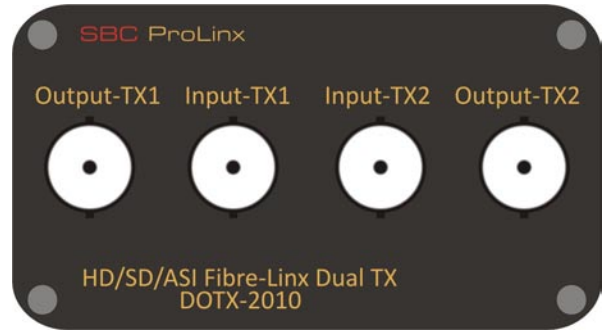
Front panel with power connector



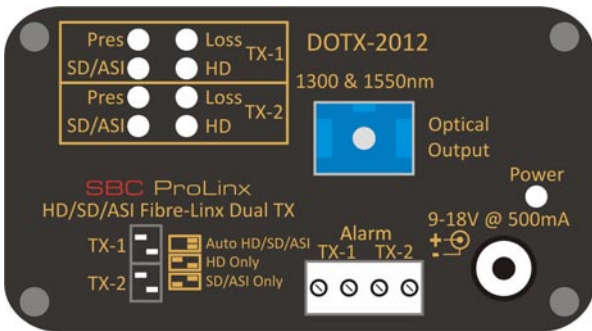
Rear panel



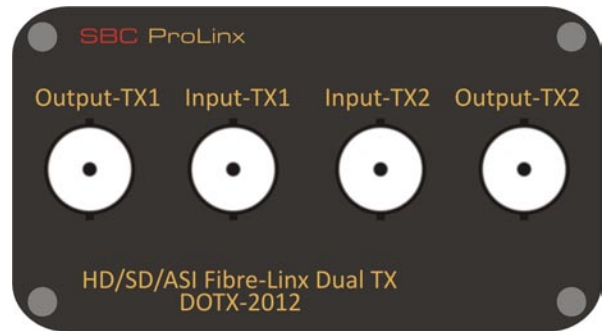
Front panel with power connector



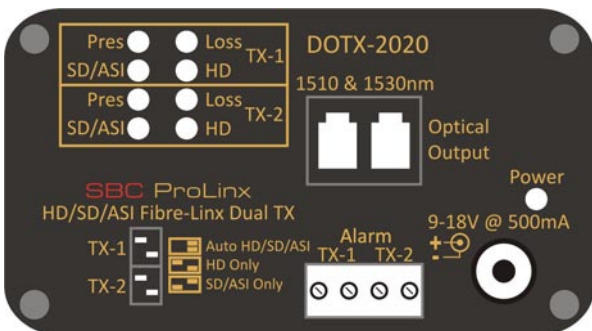
Rear panel



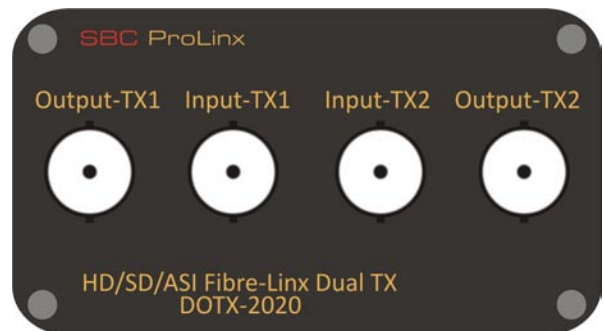
Front panel with power connector



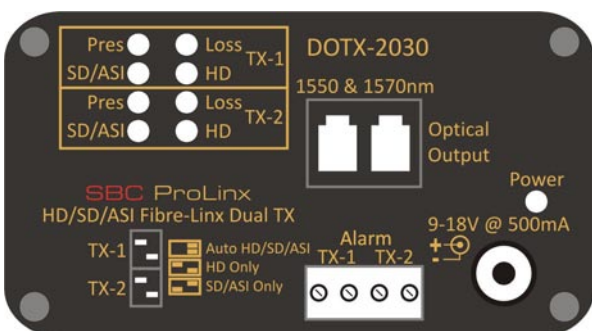
Rear panel



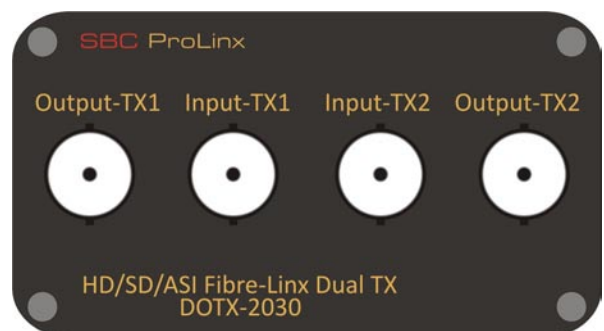
Front panel with power connector



Rear panel



Front panel with power connector



Rear panel