

# DORX-2xxx

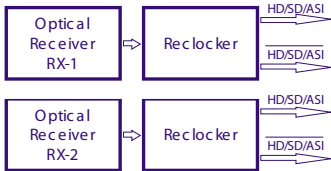
## Dual HD/SD Optical Receiver

### Features

- High performance & low cost
- Supports HD/SDI & ASI signals
- Dual Optical Inputs
- Non-inverting & Inverting outputs
- Re-clocking (270,1438,1485 Mbps)
- LED indicators
- Contact closure alarm
- Compact & rugged design 142mm(L) x 82mm(W) x 47mm(H)

### Description

The DORX-2xxx is a high performance dual optical receiver 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 DOTX-2xxx & OTRX-2xxx receiver. The Optical SFP can swapped for cost, performance and wavelength applications.



### Specifications

#### Optical Inputs

Number of Inputs	2
Data Rate	270, 1483 & 1485 Mbps
Sensitivity	-20dBm (typical, 270M, pathological matrix) -20dBm (typical, 1485M, pathological matrix)
Connectors	LC on SFP module

#### Electrical Outputs

Number of Outputs	4
Polarity	Non-inverting and inverting outputs for each channel
Signal Level	800mV p-p +/- 100mV
Return Loss	>15dB (5MHz – 1.5GHz)
Impedance	75 ohm
Connectors	75 ohm 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

#### Ordering Information

DORX-2000	Dual PIN Optical RX
DORX-2012	Dual PIN Optical RX + 1300/1500nm splitter

#### 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 products supporting digital video interfaces
- Compatible with third party compliant digital video interfaces