12Gbit Fiber Optic / SDI Transceiver (CWDM)

- Optical receiver and transmitter in single package
- Supports SDI video up to 12Gbit/s (4096x2160 @ 60 Hz)
- 3Gbit Level A and Level B support (all formats)
- Auto redocking 1.5Gbit / 3Gbit / 6Gbit / 12Gbit
- CWDM with 4 wavelengths (1270nm to 1330nm) selections
- Error free optical connections
- Up to 10km (6.2 miles) @ 12Gbit/s (singlemode)
- Duplex LC/PC single mode optical connections
- Supports hot swapping and hot plugging

The OTR 1440 is a CWDM Fiber Optic to SDI transmitter and receiver combined in a compact self contained package. It is a convenient and cost-effective solution to combat the restrictions involved with the distribution of uncompressed broadcast quality video signals over long distances.

Each OTR 1440 CWDM tranceiver has an independent transmitter and receiver channel, which provides an effective solution for any SDI signal up to 12Gbit/s (4096x2160 @ 60Hz), while preserving full uncompressed quality. Select from 4 transmitter wavelengths for full CWDM compatibility (ITU-T G.694.2)

The OTR 1440 will auto-detect and re-clock any 1.5Gbit, 3Gbit, 6Gbit, or 12Gbit SDI source prior to conversion. The module is fully compatible with 3Gbit Level A and Level B formats.

Power Adapter Options

The kit includes AC power supplies. The power adapters below are optional.

P-TAP 1000
Use with a standard battery P-TAP power source.

XLR 1000
Use with a standard 4 pin XLR camera battery power source.

Ordering Info:
Note: The OTR 1440 price does not include the fiber transmitter SFP sub module. Please specify the required wavelength from the option list below.

CWDM Wavelength Options. ITU-T G.694.2 (select one)

<table>
<thead>
<tr>
<th>Wavelength</th>
<th>Power</th>
<th>RX Sensitivity</th>
<th>Option #</th>
<th>EAN</th>
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</thead>
<tbody>
<tr>
<td>1270nm</td>
<td>-2...+3dBm</td>
<td>-10 dBm (6G,12G)</td>
<td>OH-TR-12-1270-LC</td>
<td>4250479326552</td>
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<tr>
<td>1290nm</td>
<td>-2...+3dBm</td>
<td>-10 dBm (6G,12G)</td>
<td>OH-TR-12-1290-LC</td>
<td>4250479326569</td>
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<tr>
<td>1310nm</td>
<td>-2...+3dBm</td>
<td>-10 dBm (6G,12G)</td>
<td>OH-TR-12-1310-LC</td>
<td>4250479326576</td>
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<tr>
<td>1330nm</td>
<td>-2...+3dBm</td>
<td>-10 dBm (6G,12G)</td>
<td>OH-TR-12-1330-LC</td>
<td>4250479326583</td>
</tr>
</tbody>
</table>

Fiber Adapter Options

These adapter kits allow the use of ST or SC fiber connections on the module. SMF 0.5m (19.6") tail introduces less than 0.25dB attenuation.