Dual Channel 3Gbit SDI to Fiber Transmitter (CWDM)

- Dual Channel
- Supports SDI video inputs up to 3Gbit/s [1080p60]
- 3Gbit Level A and Level B support (all formats)
- Auto reclocking 270Mbit / 1.5Gbit / 3Gbit
- Error free optical transmission
- 18 Wavelength selections (ITU-T G.694.2)
- Up to 40km (24.8 miles) @ 3Gbit/s
- Duplex LC/PC single mode optical connections
- Supports hot swapping and hot plugging

The OTT 1842-1 is a compact CWDM dual channel SDI to fiber optic transmitter designed to combat the restrictions involved with the distribution of uncompressed broadcast quality video signals over long distances. 18 wavelength choices are provided.

When combined with the dual channel fiber optic to SDI receiver module ORR 1802, and the OCM 1891/1892 CWDM multiplexers you have a very cost-effective CWDM fiber system for up to 18 signals in a single fiber link.

The OTT 1842-1 has two completely independent channels and each will auto-detect and re-clock any 270Mbit / 1.5Gbit and 3Gbit SDI source prior to optical transmission. 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 OTT 1842-1 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>Wavelengths</th>
<th>Power</th>
<th>Option #</th>
</tr>
</thead>
<tbody>
<tr>
<td>1270nm, 1290nm</td>
<td>-1dBm</td>
<td>OH-TF-4-1270-1290</td>
</tr>
<tr>
<td>1310nm, 1330nm</td>
<td>-1dBm</td>
<td>OH-TF-4-1310-1330</td>
</tr>
<tr>
<td>1350nm, 1370nm</td>
<td>-1dBm</td>
<td>OH-TF-4-1350-1370</td>
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<tr>
<td>1590nm, 1610nm</td>
<td>-1dBm</td>
<td>OH-TF-4-1590-1610</td>
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</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.

- **Model# LC/SC DUP**
  - LC/PC to SC/PC Adapter

- **Model# LC/ST DUP**
  - LC/PC to ST/SC Adapter