



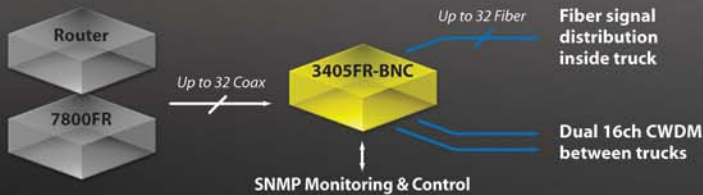
The World's First Compact, Bulk Optical Conversion Platform!



3400 & 3405 Series High Density Optical Conversion & Distribution

- Up to 32 optical conversions using Evertz® SFP in 1RU
- Full SNMP monitoring & control
- Hot swappable
- Redundant power supplies
- Wideband operation from 1270nm to 1610nm

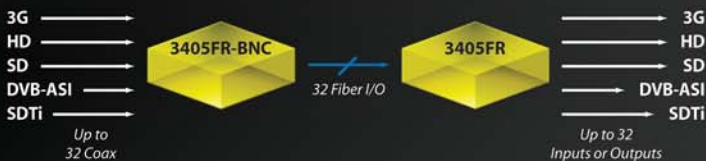
OB Truck Applications



Benefits:

- Space and weight saver - compact design allows 9RU worth of gear into 1RU!
- Low power consumption at only 40W fully loaded
- Built-in dual 16ch CWDM optimizes fiber usage
- Low profile design allows for mounting behind equipment
- Reversible mounts allow users to utilize as either a fiber patch point or BNC patch panel

Bulk Conversion Applications



Benefits:

- Up to 32 Electrical/Optical conversions
- Mixture of Tx and Rx SFPs in the same frame
- 1310nm or 1550nm wavelengths for low cost intrafacility distribution
- Automatic signal detection of 3G, HD, SD, and DVB-ASI

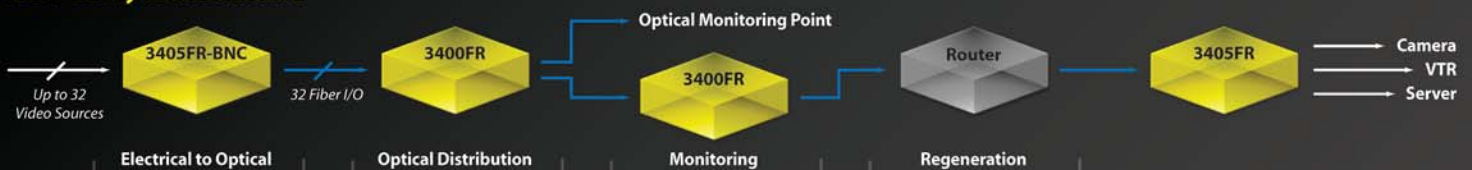
CWDM Applications



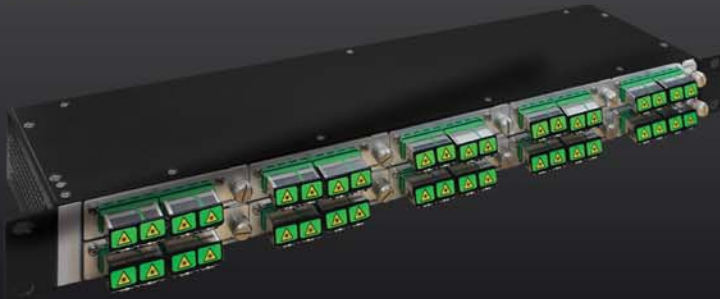
Benefits:

- 1270nm-1610nm CWDM SFP options
- Dual 16ch CWDM passive mux/demux provides high reliability operation for mission critical events (single 16ch also optional)
- Hot swappable for in-field servicing

Fiber Facility Infrastructure



3400FR • 1RU Passive Optical Frame



Evertz® 3400FR is a powerful solution for today's dense, modular, and passive fiber optic distribution needs. It provides flexible optical signal distribution in the form of splitter/combiner modules that fit in a 1RU frame.

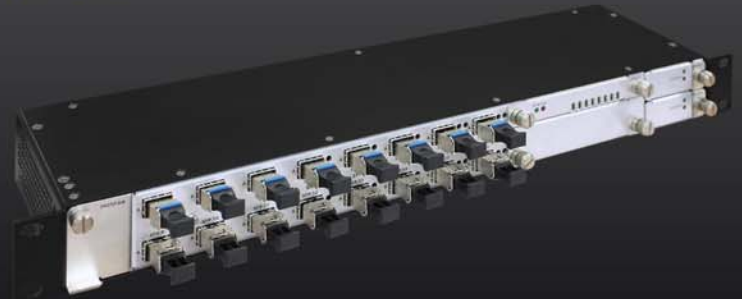
The 3400 series passive splitters/combiners can support any optical bit rate and are fully passive without the need for an active power supply.

All components are hot-swappable through the front of the frame. This ensures that the unit can be fully removed without having to disrupt other signals being distributed within the same enclosure.

The 3400FR is a 1RU frame designed to house up to 10 splitter/combiner modules. Each module can be quad 1x2, dual 1x4 or a single 1x8 passive splitter/combiner.

The frame can be configured for a mix of different splitter/combiner units. Each of the various splitter/combiner modules are also available in a compact standalone version.

3405FR • Fiber Optic SFP Frame



Evertz® 3405FR is the ideal solution for today's low cost, high density fiber optic distribution needs, providing flexibility to handle the high-speed requirements of 3G & HDTV as well as SD-SDI, SDTi, and DVB-ASI.

All components are hot-swappable through the front or back of the frame including SFPs, frame controllers, multiplexers, and power converters. This ensures that unit can be fully serviceable in the field without having to be de-cabled or removed from the customer's rack.

The 3405FR is a 1RU frame that can house up to 16 single or dual channel Evertz® SFP modules. Each module can either be a single or dual Electrical to Optical converter, or Optical to Electrical converter. This provides up to 32 EO or 32 OE in a single rack unit of space. The frame can be configured for a mixture of modules.

The 3405FR frame can be powered by external power bricks or with the 3405PS-6, which can power up to six 3405FR frames with primary and secondary power. The 3405FR is VistaLINK® -capable with support for a primary and secondary frame controller.

3400FR Specifications

Connector:	LC/PC or LC/APC
Wavelength:	1270nm - 1610nm
Insertion Loss:	
3400DS2-4:	< 4.0dB maximum
3400DS4-2:	< 8.0dB maximum
3400DS8:	< 11.0dB maximum
3400MS2-4:	95% port < 1dBm 5% port < 15dBm
3400MS4-2:	30% port < 5.5dBm 10% port < 10dBm
Uniformity:	
3400DS2-4:	< 0.8dB
3400DS4-2:	< 0.9dB
3400DS8:	< 1.0dB
Directivity:	
3400DS2-4:	< 55dB
3400DS4-2:	< 55dB
3400DS8:	< 55dB
Fiber Size:	9µm single mode fiber

3405FR Specifications

System:	Up to 32 EO, OE or mixture of EO and OE in a 1RU unit
Density:	
Impedance:	75Ω
Connector:	BNC per IEC 61169-8 Annex A (F-type connector optional)
Communication and Control:	
Serial:	RS-232 - single female 9-pin D connector
Ethernet:	SNMP over IEEE 802.3/U (10/100 BaseTx) RJ45 connector
Control:	VistaLINK®
Optical Input:	
Inputs:	2 per SFP
Connector:	LC/UPC
Operating Wavelength:	1270nm - 1610nm
Maximum Input Power:	
Standard:	-1dBm
Optical Sensitivity:	
Standard:	-19dBm at 2.97Gb/s

Optical Output:

Outputs:	2 per SFP
Connector:	LC/UPC
Rise/Fall Time:	< 270ps
Optical Power:	-1dBm ±1dBm
Wavelength:	1310nm

Physical:

Dimensions:	1.8"H x 19"W x 4.16"D
Module Capacity:	16 Evertz SFP modules. Dual TX or Dual RX

Power Supplies:

3405PSX	External power supply brick
3405PS-6	1RU power supply tray for 3405FR-BNC (powers up to 6 units - primary & secondary)



For more information visit:

<http://www.evertz.com/products/3400>



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