

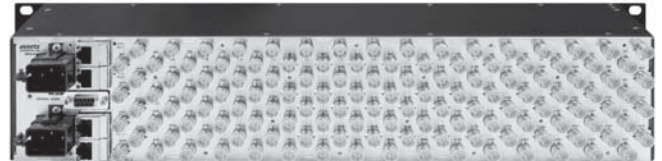
# 3505FR-32-BNC4

## High Density Fiber Optic SFP BNC Frame

The Evertz 3505FR-32-BNC4 is a high-capacity bulk optical conversion platform. With the ability to accommodate 32 Evertz 3405 series SFP's, up to 64 optical to electrical or electrical to optical conversions may be performed in a single frame. Occupying only 2RU of rack space, the 3505FR-32-BNC4 is the industry's highest density optical conversion platform making it ideal for space-limited applications. The 3505FR-32-BNC4 can accommodate any 3405 series SFP, allowing the SFP cages to be populated as needed with optical transmit, receive, regenerator or electrical distribution amplifier SFP's. The SFP positions are not limited by function - any combination of 3405SFP types may be used, making countless versatile combinations possible. Benefits of fiber optics for video transport include longer attainable distances, smaller/lighter cabling, reduced cable tray loads and electrical isolation. The 3505FR-32-BNC4 provides a low-overhead means for simple electrical/optical conversion for interfacility transport, as well as overcoming the limitations imposed by coaxial cable in intra-facility applications.

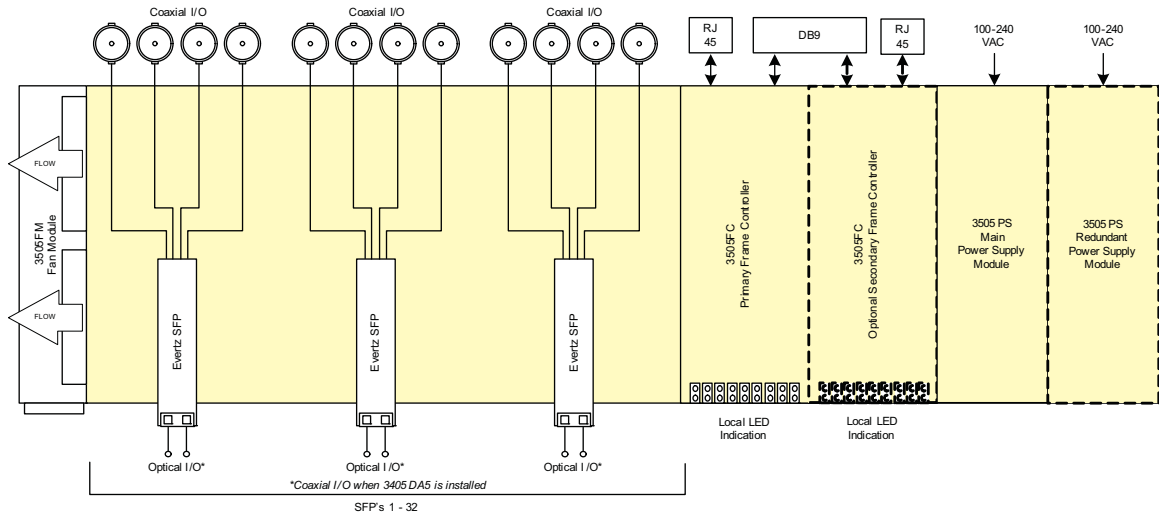
3405 series SFP's are able to handle ASI, SDI, HD-SDI and 3G digital video signals, as well as other signal rates up to 3 Gig on non-reclocked versions (e.g. MADI). The SFP modules are hot-swappable, allowing for quick servicing or easy reconfiguration or expansion at any time. 16 CWDM wavelengths are also available, which when combined with Evertz CWDM products allow up to 16 signals to be multiplexed on to a single fiber, greatly conserving fiber usage.

The 3505FR-32-BNC4 supports full remote monitoring and control over SNMP/VistaLINK® when optional frame controllers are installed. The platform supports a single frame controller, or dual modules may be installed for redundancy. Numerous parameters such as optical power and electrical signal presence and rate can be accessed remotely to monitor system integrity. The 3505FR-32-BNC4 was designed to provide carrier-grade reliability with all SFP's, power supplies, frame controllers and the fan module being hot-swappable. There are no active components in the frame itself, a patent-pending feature from Evertz ensuring that the frame and coaxial cabling never need to be removed from the rack for service.



### ► Features & Benefits

- Highest density in the industry – up to 64 conversions in 2RU
- Any combination of 3405SFP types may be installed in any slots, including optical transmit, receive, regenerator and electrical distribution amplifiers
- All active components are hot-swappable
- SFP modules can be hot-swapped without de-cabling coaxial connections
- Temperature controlled fans to minimize audible noise
- Accommodates single or dual redundant frame controllers
- Accommodates redundant power supplies
- Quad electrical connectors per SFP facilitates extra electrical distribution
- Comprehensive signal and card status monitoring via four digit card edge display or remotely through SNMP and VistaLINK® when frame controller(s) are installed



### Specifications

<b>System:</b>		<b>Electrical Inputs/Outputs:</b>		<b>Physical:</b>	
Density:	32 SFP's, Up to 64 EO, OE, or mixture of EO and OE in a 2RU unit	Connector:	BNC Per IEC 61169-8 Annex A	Dimensions:	3.5"H x 19"W x 5.5"D
		Return Loss:	> 15dB up to 1.5GHz > 10dB up to 3GHz	Module Capacity:	64 Evertz 3405 or 3505 SFP's
		Impedance:	75Ω		
<b>Communication and Control:</b>		<b>Electrical:</b>			
Serial:	RS-232 - single Female 9-pin D connector	AC Input:	Auto-ranging, 100-240VAC, 50/60Hz		
Ethernet:	SNMP over IEEE 802.3/U (10/100 BaseTx) RJ45 connector for M&C	Power:	200W max		
Control:	VistaLINK®/SNMP	Connector:	IEC 320 - 1 per power supply		

### Ordering Information

<b>3505FR-32-BNC4</b>	High Density Fiber Optic SFP BNC Frame	<b>3405T13-2</b>	Dual channel SFP optical transmitter with standard 1310nm lasers, non-reclocked.
<i>*Note: SFP's sold separately, please specify at the time of ordering.</i>		<b>3405T13-2-S</b>	Dual channel SFP optical transmitter with short-haul 1310nm lasers, non-reclocked.
<b>Ordering Options</b>		<b>3405TXXYY-2</b>	Dual channel SFP optical transmitter with CWDM lasers (1270nm to 1610nm), non-reclocked.
<b>+35PS</b>	Redundant power supply	<b>3405T13-R</b>	Single channel SFP optical transmitter with standard 1310nm laser, reclocked.
<b>Accessories</b>		<b>3405T13-R-S</b>	Single channel SFP optical transmitter with short-haul 1310nm laser, reclocked.
<b>3505FC</b>	SNMP Frame Controller	<b>3405TXX-R</b>	Single channel SFP optical transmitter with CWDM laser (1270nm to 1610nm), reclocked.
<b>3505FM</b>	Spare/replacement fan module	<b>3405R-2R</b>	Dual channel SFP optical receiver, reclocked.
<b>3505PS</b>	Spare/replacement power supply module	<b>3405R-2</b>	Dual channel SFP optical receiver, non-reclocked.
<b>Evertz SFP modules</b>		<b>3405R-DA4R</b>	Single channel SFP optical receiver, reclocked.
<i>*Note:</i>		<b>3405R-DA4R-H</b>	Single channel SFP optical high-sensitivity receiver, reclocked.
<ul style="list-style-type: none"> <li>Multimode applications require a 5dB optical attenuator at the output of all transmitting ports, except when "S" short haul version transmitter SFP's are used.</li> <li>XX versions include the following: 27, 29, 31, 33, 35, 37, 43, 45, 47, 49, 51, 53, 55, 57, 59, 61, see CWDM wavelength ordering information</li> <li>XX/YY versions include the following: 27/29, 31/33, 35/37, 43/45, 47/49, 51/53, 55/57, 59/61, see CWDM wavelength ordering information</li> </ul>		<b>3405OO13-DA4</b>	Single channel SFP optical regenerator with standard 1310nm laser, reclocked.
		<b>3405OO13-DA4-H</b>	Single channel SFP optical regenerator with standard 1310nm laser and high sensitivity receiver, reclocked.
		<b>3405OXX-DA4</b>	Single channel SFP optical regenerator with CWDM laser (1270nm to 1610nm), reclocked.
		<b>3405OXX-DA4-H</b>	Single channel SFP optical regenerator with high sensitivity receiver and CWDM laser (1270nm to 1610nm), reclocked.