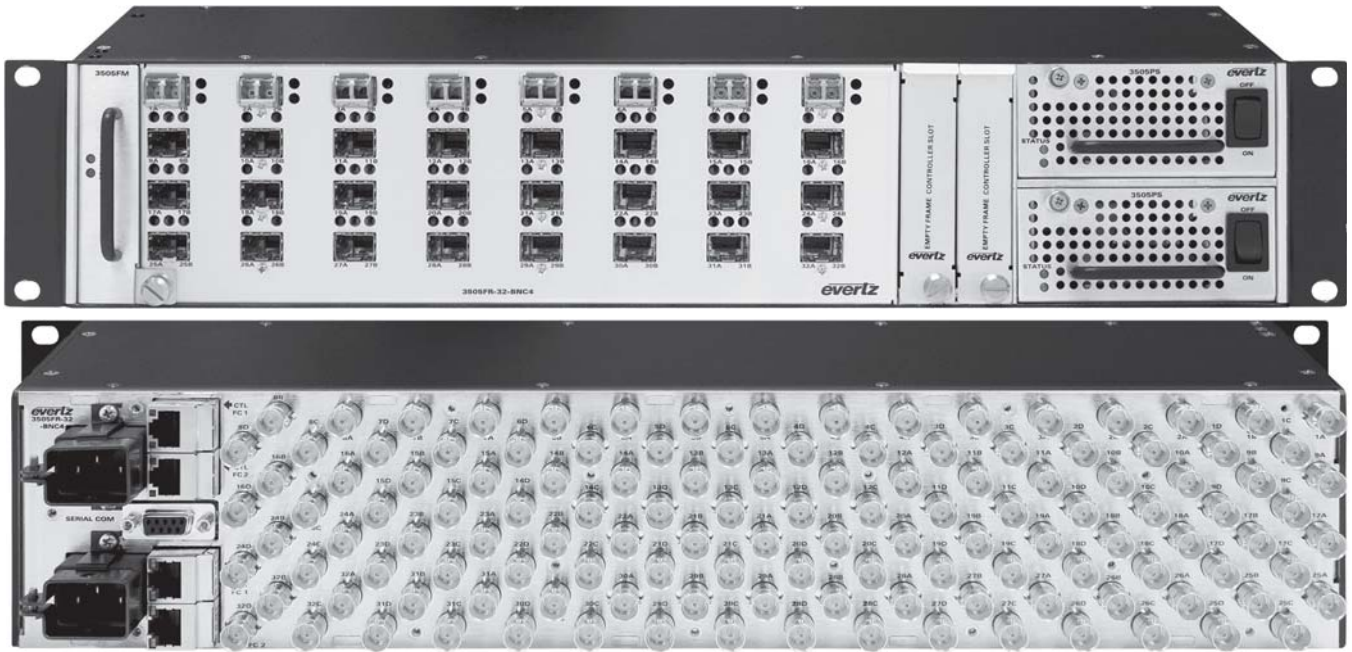


3505FR-32-BNC4

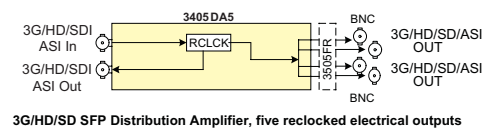
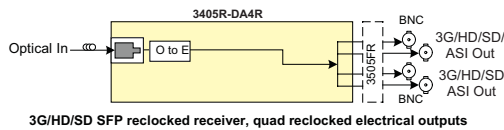
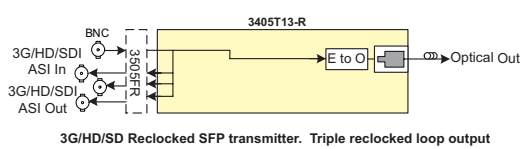
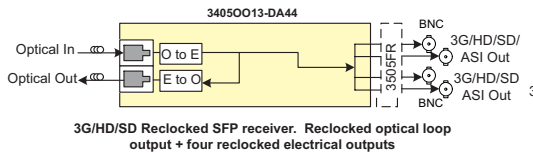
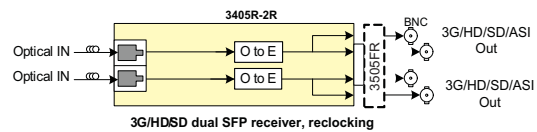
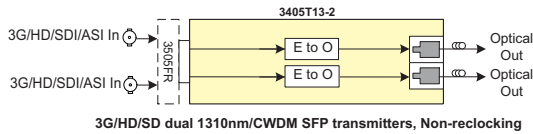
High Density Fiber Optic SFP BNC Frame



3505FR-32-BNC4



SFP Options



The Everiz® 3505FR-32-BNC4 SFP frame is the ideal solution for today's low cost, high density fiber optic distribution needs. The 3505FR-32-BNC4 provides the flexibility to handle the high-speed requirements of 3G and HDTV as well as SD-SDI, SDTi, and DVB-ASI.

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

The 3505FR-32-BNC4 is a 2RU frame designed to house up to 32 Everiz® SFP modules. This provides up to 64EO or 64OE in two units of space. The frame can be configured for a mixture of transmit, receive and distribution modules. See SFP options above.

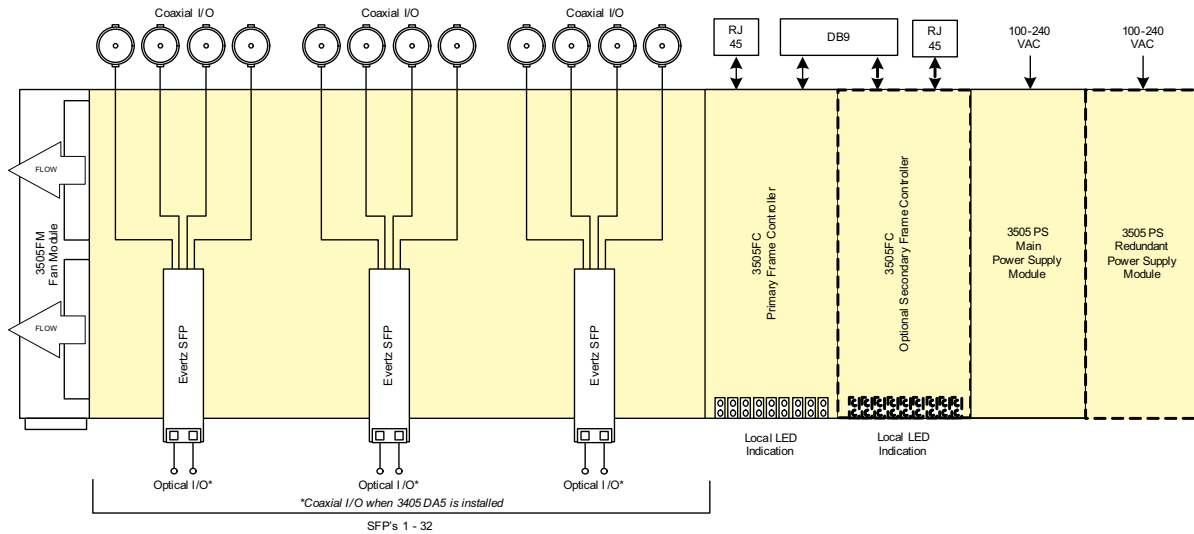
► Features & Benefits

- Dual Power supplies (primary and redundant) are available
- Houses up to 32 front loading Everiz® 3405 SFP modules
- Each slot can be used as an input or output based on SFP type

The 3505FR-32-BNC4 is VistaLINK® -capable with support for primary and secondary frame controllers.

The 3505FR-32-BNC4 frame comes with a single power supply and fan module. Frame controllers, redundant power supply and SFP's are must be ordered separately.

- Dual primary & secondary 3505FC Frame Controllers for full VistaLINK® SNMP control and monitoring are available
- No electrical re-cabling required when hot swapping SFP modules
- The industry's highest density optical conversion platform with up to 64 EO or 64 OE or (for any combination thereof) in 2RU



► Specifications (Note: Electrical input & output specs only apply to reclocking SFP modules)

| | | | | | |
|---|--|--|--|---|--|
| System: Density: Up to 64 EO, OE, or mixture of EO and OE in a 2RU unit Impedance: 75Ω | | Optical Input: Number of Inputs: Up to 2 per SFP Connector: LC/UPC Operating Wavelength: 1270nm to 1610nm Maximum Input Power: Standard: -1dBm Optical Sensitivity: Standard: -21dBm at 2.97Gb/s pathological Level A -23dBm at 2.97Gb/s color bars | | Electrical Outputs: Connector: BNC per IEC 61169-8 Annex A Impedance: 75Ω (nominal) Signal Level: 800mV (nominal) DC Offset: 0V +/-0.5V Rise and Fall Time (Reclocked SFP's only): <135ps (HD/3G) < 900ps (SD) Overshoot(Reclocked SFP's only) < 10% of amplitude Return Loss: >15dB to 1.5GHz >10dB to 3GHz Alignment Jitter(Reclocked SFP's only): < 0.2UI (Reclocked) to 1.485Gb/s < 0.3UI (Reclocked) to 2.97Gb/s | |
| Communication and Control: Serial: RS-232 - single Female 9-pin D connector Ethernet: SNMP over IEEE 802.3/U (10/100 BaseTx) RJ45 connector for M&C VistaLINK®/SNMP | | Electrical Inputs: Reclocked Standard: SMPTE 424M (3 Gb/s), ST 292-1 (1.5Gb/s), SMPTE 259M (270Mb/s), DVB-ASI Connector: BNC Per IEC 61169-8 Annex A Equalization: Automatic to 80m @ 3 Gb/s 100m@ 1.5Gb/s 250m @ 270Mb/s (with Belden 1694A or equivalent) Return Loss: > 15dB up to 1.5GHz > 10dB up to 3GHz | | Electrical: AC Input: Auto-ranging, 100-240VAC, 50/60Hz Power: 200W max Connector: IEC 320 - 1 per power supply | |
| Optical Output: Number of Outputs: Up to 2 per SFP Connector: LC/UPC Optical Power: Standard: -2dBm +/-1dBm -S (Short haul): -7dBm +/-1dBm CWDM: +3.5dBm +/-1dBm Wavelength: Standard & -S: 1310nm CWDM: 1270nm-1610nm ITU-T G.694.2 compliant | | | | Physical: Dimensions: 3.5"H x 19"W x 5.5"D Module Capacity: 64 Evertz 3405 or 3505 SFP's | |

► Ordering Information

3505FR-32-BNC4 High Density Fiber Optic SFP BNC Frame

NOTE: Multimode applications require a 5dB optical attenuator at the output of all transmitting ports. Contact factory for all multimode applications.

Ordering Options:
+35PS Redundant power supply

Accessories:
3505FC SNMP Frame Controller
3505FM Spare/replacement fan module
J/LC/LC/ATTEN-5DB 5dB optical attenuator. Required for multimode applications
3505PS Spare/replacement power supply module

Evertz SFP modules:

| | |
|---------------------|--|
| 3405T13-2 | 3G/HD/SD dual 1310nm SFP transmitters. Non-reclocking |
| 3405T13-2-S | 3G/HD/SD dual 1310nm SFP transmitters. Non-reclocking. (Low optical power for short haul, interfacility, and multimode applications) |
| 3405Txxy-y-2 | 3G/HD/SD dual CWDM SFP transmitters. Non-reclocking |
| 3405R-2R | 3G/HD/SD dual SFP receiver, reclocking |
| 3405T13-R | 3G/HD/SD Reclocked SFP transmitter. Three reclocked electrical loop output |
| 3405OO13-DA4 | 3G/HD/SD Reclocked SFP receiver. Reclocked optical loop output and four reclocked electrical outputs |
| 3405OOxx-DA4 | 3G/HD/SD Reclocked SFP receiver, reclocked CWDM optical loop output and four reclocked electrical outputs |
| 3405DA5 | 3G/HD/SD Distribution Amplifier, five reclocked electrical outputs |
| 3405R-DA4R | 3G/HD/SD SFP Reclocked receiver, quad reclocked electrical outputs |

Note: xx versions include the following, 27,29,31,33,35,37,43,45,47,49,51,53,55,57,59,61
 Note: xx/yy versions include the following, 27/29, 31/33, 35/37, 43/45 - Low Band
 47/49, 51/53, 55/57, 59/61 - High Band