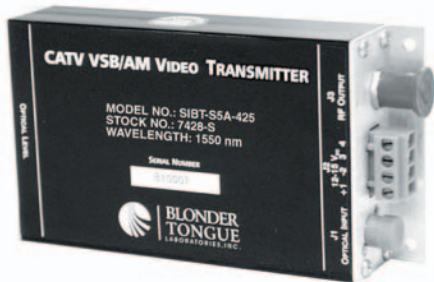


# VSB/AM Transmitter/Receiver - 25 Channels

Retro Linx Series - SIBT S5A-425 and SIBR S4A-425



## ○ Features & Benefits

- Up to Twenty Five Channels on One Single Mode Fiber
- Supports Transmission of Sub-band, Low-band, FM, Mid-band and High-band Channels
- Utilizes Inputs from Standard CATV VSB/AM Modulators, Processors, etc.
- 1550 nm Operation to 50 km
- Tri-color LED For Optimum Input Indication

The SIBT-S5A-425 fiber optic transmitter along with the SIBR-S4A-425 receiver provide a high-quality system for transporting up to twenty five TV channels over a single mode optical fiber. With an RF bandwidth from 5 MHz to 350 MHz, these units can transmit sub-band, low-band, FM, mid-band, high-band or super-band channels. Optimum performance is achieved when the channel (frequency) plan is within a single octave of bandwidth. A possible channel plan for the twenty five channel link is TV channels G through AA (155 to 305 MHz). The system can transmit TV channels over a distance of 50 km at 1550nm on one single mode fiber. Tri-color LED's are used to indicate optimum RF input level on the transmitters and optical input status on the receivers. Green indicates an acceptable level, red is too high and amber is too low. These products are recommended for use with single mode fibers only and require a minimum fiber bandwidth of 500 MHz.

## ○ Specifications

### LINK @ 25 °C, Single-mode Fiber

Bandwidth: 5-350 MHz  
Operating Wavelength: 1550 nm  
CATV Channels: 25  
CNR (+1 dBm Input, 25 Ch. Load): 52 dB  
CSO (25 Ch. Load): -68 dB  
CTB (25 Ch. Load): -70 dB  
Input/Output Impedance: 75 Ohms  
Operating Temperature Range: +10 to +40 °C  
Weight: 6 oz, 170 g (per unit)  
Physical Dimensions  
SIBR (WxHxL): 5.75 x 2.95 x 1.12 in  
146 x 74 x 28 mm

### Transmitters

RF Input Level (25 Channel): +7.5 dBmV  
Optical Output: +4 dBm  
Power Dissipation: 3.6 W

### Receiver

Optical Input Range: -9 to +4.5 dBm  
Power Dissipation: 2.0 W

### Connectors

Optical Output: FC/APC  
RF Input: "F"  
Power Supply  
SIBT/SIBR: ACCS-PS-170  
(BT Stock No. 7419)

## ○ Ordering Information

Model	Stock No.	Description
SIBT-S5A-425	7428 S	Fiber Optic Transmitter, 25 Channel 5-350 MHz, Single-mode, 1550 nm, FC/APC Connector, 4 dBm Output
SIBR-S4A-425	7438 S	Fiber Optic Receiver, 25 Channel 5-350 MHz, Single-mode, 1550 nm, FC/APC Connector

Available through

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