

SDTVPLUS

## 1310 nm Fiberoptic Transmitter

- Over 2.9 GHz of Bandwidth to the Home
- Single Fiber Broadband Transmission: CATV, HDTV/DBS and Data Services
- Independent AGC for CATV and DBS
- High Output Density
- Serve up to 480 Subscribers with a Single Transmitter



Transmitter  
product number 5501 / 5504 / 5508 / 5516

Foxcom's patented SDTVplus 1310 nm Fiberoptic Transmitter combines incoming HDTV/DBS/DTH, Internet (via cable modem), Analog VHF/UHF (CATV), and Local Off-air TV. The multiplexed signal is sent over singlemode fiber to multiple SDTVplus MiniHub or MiniNode Fiberoptic Receivers. SDTVplus Transmitters are available in four configurations: 1, 4, 8 or 16 optical outputs.

The 1310 nm Transmitter can be used in one-way or two-way systems. In two-way systems, the 1310 Transmitter is typically installed in multiple dwelling units requiring interactive TV and HSD (Internet).

The SDTVplus Transmitters Automatic Gain Control ensures signal quality even during adverse weather conditions. LED indicators and test ports allow for simple trouble shooting. Long-distance monitoring is possible via TTL.

**FOXCOM**

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## Transmitter Specifications

CATV Specifications	
Input Frequency Range	54 - 862 MHz
Input Power	+15 to +35 dBmV/ channel
DBS Specifications	
Input Frequency Range	950 - 2900 MHz
Input Power	-55 to -35 dBm/ transponder
LNB Powering Voltage	+18 VDC +/- 1 @ 350 mA (short circuit protected)
Optical Output	
Wavelength	1310 nm +/- 10
Power Level	0 - 1.7 dBm/ output port (4, 8, or 16 ports)
Total Optical Power	10 - 11 dBm
General Specifications	
Impedance	75 Ohm
Return Loss	12 dB
Gain Control	Automatic, +/- 10 dB
DBS & CATV Input Connector	F / female
Fiber type	Single Mode, Fusion Splice Only
Optical Output Connector	SC/ APC (FC/ APC optional)
DBS, CATV Test Port Connector	F / female
Test Port Coupling	-20 dB +/- 2
Power Supply	90 - 240 VAC 50/60 Hz
Power Consumption	60 watts (max.)
Operating Temperature	0 <sup>o</sup> C to +50 <sup>o</sup> C
Storage Temperature	-40 <sup>o</sup> to +60 <sup>o</sup> C
Relative Humidity	Up to 95%, non- condensing
Physical Dimensions W x H x D in.	19" x 3.5" x 14"
Weight lbs. (Kg.)	14 (6.4)

1310 nm Transmitter Ordering Code

Model Number: 55-(N)-(C)

Options:

C | Optical Connectors:

SC SC/APC

FC FC/APC

N | Number of  
Output Connectors:

01 1 Output

04 4 Outputs

08 8 Outputs

16 16 Outputs