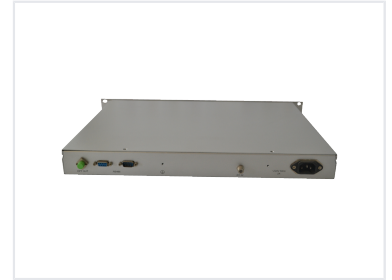


CATV FTTH Optical Transmitter

1310/1550nm

This optical transmitter is designed for TV signal transmission over long distances to multiple optical nodes. It utilizes DFB lasers and advanced digital driver circuitry, and can transmit signals up to 30 kilometers when paired with an EDFA.



ADDITIONAL IMAGES



Overview



High-Performance CATV Optical Transmission

The YOT-1310/1550nm series is a professional-grade optical transmitter designed for high-quality TV signal transmission over long distances. Utilizing advanced DFB lasers and a microprocessor control system, it ensures stable performance for both outdoor CATV and FTTH network applications. When paired with an EDFA, this direct modulation transmitter can reach nodes up to 30 kilometers away while maintaining excellent signal integrity.

Key Performance Metrics

Key Performance Metrics

30 km

Max Transmission Distance

1000 MHz

Frequency Response

-160 dB/Hz

Relative Intensity Noise

Optical Specifications



Supported Connectors

SC/APC • FC/APC • SC/ZPC

Laser Type	Advanced DFB Laser Diode (LD)
Optical Wavelength	1310nm, 1550nm, ITU-grid
SBS Threshold Value	13—19dBm (Adjustable)

RF Characteristics

RF Bandwidth	45 - 870 (1000) MHz
RF Input Resistance	75 Ω
RF Input Level	75-85 dBuV
Test Port Level	15 \pm 1dBmV/ch (AGC mode @77 channels)

Hardware & Interface



Monitoring Indicators

- Laser Operation Status
- RF Signal Level
- Alarm Status
- AGC (Automatic Gain Control)
- MSC Status
- Temperature

Rear Panel Connectivity

- Dual Optical Outputs
- RS485 Communication Ports
- RF IN Connector
- Grounding Point
- Ethernet Port

Power Specifications

Power Voltage	110-254 VAC (50Hz)
Rated Current	2 A