

## TECHNICAL DATASHEET

### Thor CATV RF Fiber Optical Receiver – High RF Power Rack

High Output CATV RF over Fiber Rack Mount Receiver



The Thor CATV RF Fiber Rack Optical Receiver is a high performance optical-to-RF receiver designed for long-distance CATV and broadband RF distribution systems. It converts optical RF signals into high-level RF output suitable for direct coaxial distribution. Featuring low noise optical detection, high RF output power, and Automatic Gain Control (AGC), the receiver ensures stable and low distortion performance for analog and digital CATV applications. Ideal for headends, RF distribution hubs, and large-scale fiber RF networks.

### Key Features

- High RF output power optical receiver for CATV distribution
- Converts optical RF signal to coaxial RF output
- Low noise photodiode detection with high CNR performance
- Automatic Gain Control (AGC) for stable RF output level
- Supports analog and digital CATV signals
- Rack mount 1U professional design for headend deployment

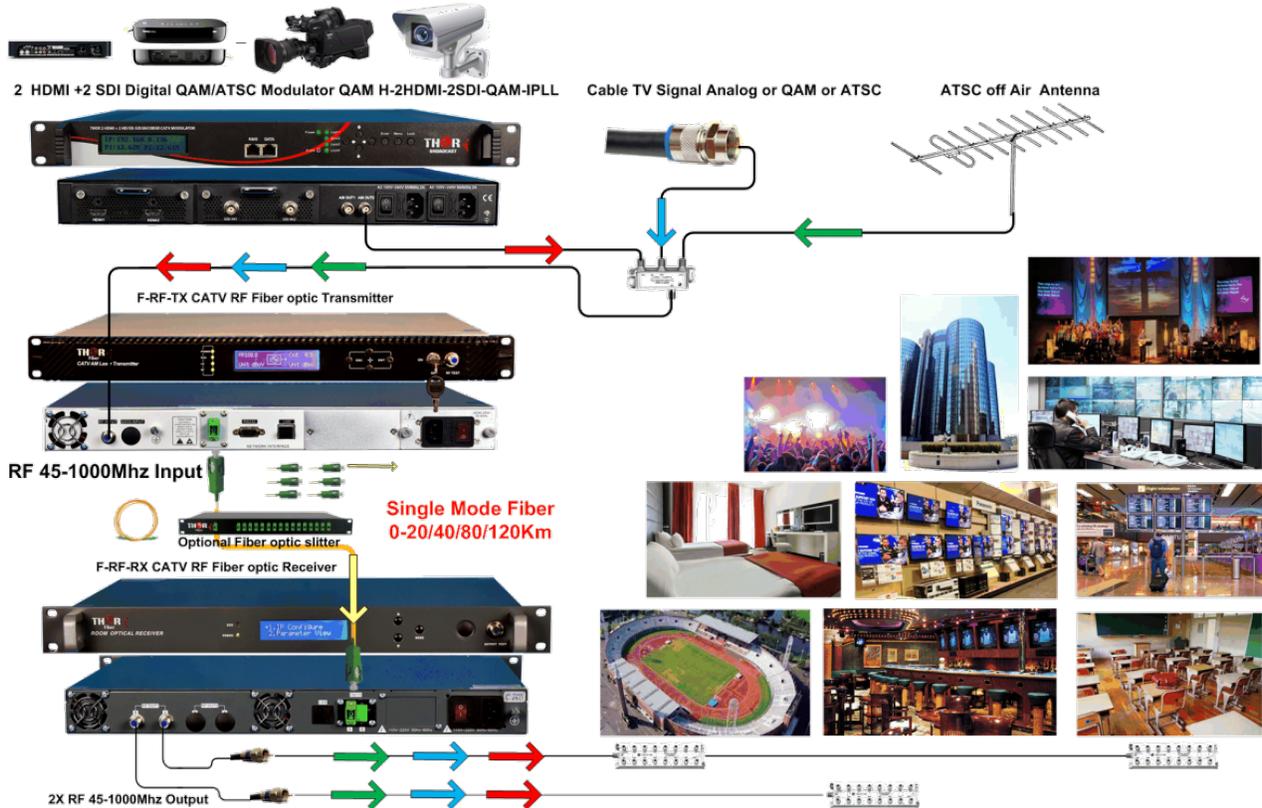


## Technical Specifications

RF / OPTICAL / MECHANICAL	
RF Output	High Level CATV RF Output, 75 Ohm
Optical Input Wavelength	1310 / 1550 nm
Optical Connector	SC/APC
RF Frequency Range	45-1000 MHz
CNR	> 50 dB
CTB	< -60 dB
CSO	< -57 dB
Flatness	< +/-0.75 dB
Optical Input Range	-10 to +2 dBm (typical AGC range)
Operating Temperature	0 to 45 C
Power Supply	AC 90-250V
Form Factor	1U 19 inch Rack Mount

## Typical Application

Point To Point / Point To multipoint CATV RF 45-1000mhz Coax over single mode fiber Transport



## Product Page QR Code



<https://thorbroadcast.com/product/catv-rf-fiber-receiver-high-rf-power-rack-8230.html>