

# FTTH CATV Single Fiber Optical Receiver with AGC

This optical receiver converts fiber signals into radio frequency signals for amplification in FTTH networks. It supports image, sound, and data transmission.



## ADDITIONAL IMAGES



## Overview

### High-Performance FTTH Optical Receiver

This high-performance optical receiver is specifically designed for Fiber-to-the-Home (FTTH) CATV networks, efficiently converting fiber signals into radio frequency signals. Featuring Automatic Gain Control (AGC) and a durable tensile aluminum alloy shell, it ensures stable output levels and superior signal shielding. Its compact design and ability to handle both standard and ultra-low optical input power make it an ideal, cost-effective solution for delivering high-quality image, sound, and data services in broadband integrated networks.

### Key Features

AGC (Automatic Gain Control), Single Fiber Operation, Aluminum Alloy Shell, High Reliability, Broadband Compatible

## Optical Performance

### Input Power Range

**-8 dBm**

Min Input

**2 dBm**

Max Input

### Connector Compatibility

FC/APC • SC/APC

### Wavelength Range

1100 ~ 1600 nm

### Optical Emission Loss

45 dB

## Signal Quality

### Link Parameter Performance

Parameter	Minimum Value
C/N	e50dB
C/CTB	e65dB
C/CSO	e63dB

## Technical Specifications

### Attenuation Adjustment

- -10 dB
- -20 dB

### Status Indicators

- Red Light: < -4 dBm
- Green Light: > -4 dBm
- Light On: Power Normal

Frequency Range	40-1000 MHz
Output Power	65 ~ 85 dBm
Power Supply	9 V DC