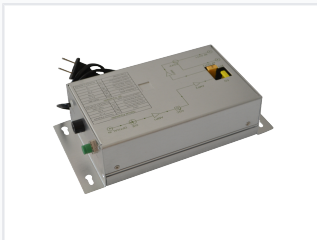


# CATV FTTH Fiber Optical Receiver with AGC

This CATV FTTH optical receiver converts fiber signals into radio frequency signals. It is designed with low noise amplification and automatic gain control for optimal performance in HFC broadband integrated information networks.



## ADDITIONAL IMAGES



## Overview



Professional-grade fiber optic signal reception and conversion for electronic information systems.

### High-Performance FTTH Optical Receiver

The MINI LOUDONG Optical Receiver is a high-quality solution for HFC broadband integrated networks and Fiber to the Building applications. It efficiently converts fiber signals into radio frequency signals for the transmission of high-quality image, sound, and data. Featuring an AGC (Automatic Gain Control) system and a durable aluminum alloy shell, it ensures stable output levels and excellent shielding for reliable performance in professional CATV distribution systems.

## Optical Parameters

Optical Input Power Range	-8 ~ +2 dBm
Recommended Input Power	-4 ~ 0 dBm
Optical Wavelength	1100 ~ 1600 nm
Optical Return Loss	45 dB
Connector Options	FC/APC, SC/APC, SC/ZPC

## Link Performance

### C/N Ratio

**51 dB**

C/N (@-2dBm input)

## RF Parameters



Automatic Gain Control (AGC) ensures stable output levels across a wide range of input optical power.

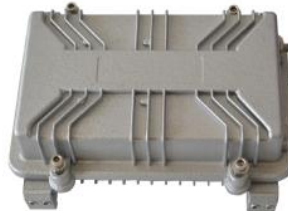
### Output Ports

- RF OUT1
- RF OUT2

### RF Output Level

75-85 dBuV

## Technical Features



Durable weatherproof enclosure designed for stable outdoor and indoor CATV distribution.

### Key Features

AGC (Automatic Gain Control) • Low Noise Amplification • Aluminum Alloy Shell • Weatherproof Enclosure • Single Fiber Support

### On-Device Adjustments

- ATT (Attenuation Adjustment)
- EQ (Equalization Adjustment)
- Optical Power LED Display

## Power Requirements

### Power Voltage

110-254 VAC