

DESCRIPTION

Radiant Communications Corporation Eclipse Series products leverages advanced engineering and intelligent, user-friendly design to rapidly and cost-effectively deploy all-digital lineups to low-cost digital set-tops. Affordable for systems of all sizes, the Eclipse Series is ideal for MDU's, hotels, hospitals, gated communities, casinos and retirement centers.

QRF-5000M Encoder - A plug-and-play device that encodes local baseband video and audio channels and multiplexes them with a built-in QAM modulator and a broadcast agile RF up-converter for distribution into existing cable network.

With digital services increasingly being used to deliver video to the home, operators are focused on enhancing the subscriber's viewing experience by increasing the variety of services they offer and improving quality, while still maintaining a cost-efficient and easy-to-manage infrastructure.

Featuring standard definition encoding, with features as MPEG-2 multiplexing, QAM modulation and upconversion, the QRF5000M allows operators to transition existing analog residential sources (such as security, training and local channels) into digital, improving the user experience and allowing the operator to deploy digital-only set-top boxes instead of higher cost digital-analog tuners.

Presently most residential services are distributed in the analog domain only, utilizing multiple devices for analog QAM modulation and upconversion, and delivering one analog channel per 6 MHz spectrum channel. This inefficient solution means that multiple security, training and local channels consume significant operational cost, spectrum and overhead. Radiant's Eclipse Series efficiently allows operators to make the transition to digital, with an ideal, flexible and future-proof path to the all-digital domain.

Current solutions are either composed of software, or multiple components. Low-end PC-based residential encoding provides a partial solution, with limited encoding horse power, while requiring increased space and power. Multiple component solutions, while they may include high quality components, generally incur higher operational and actual expenses.

Radiant's QRF5000M is an embedded, hardware-based solution compliant with all relevant industry standards. It was built with the operator in mind—an IP interface allows for an external modem to provide remote functionality. The feature-rich platform consumes little power and generates less noise. In addition, it is designed to be placed anywhere in the building, from the basement to the lobby.

With its standard 64 or 256 QAM output, the QRF5000M is capable of integrating in any existing headend or residential environment. With an optional integrated tuner module, you can easily tune to an existing QAM channel and add and remove services.

▶ **QRF5000M** **Mini Chassis Digital QAM Channel Inserter**

BENEFITS

- Cost effective, integrated, single box solution
- High RF Output, +62dBmV
- Moves system toward all digital solution
- 64 QAM and 256 QAM Selectable Output

FEATURES

- Economic insertion of video feeds on existing digital cable plant to view with digital converter box
- Designed for Gated Communities, MDU's, Hotels and Retirement Centers.
- Easily Configured via Easy to Use GUI or Web Browser.

QRF-5000M
Front View



QRF-5000M
Rear View



