

IF Modem

IF Modulator and Demodulator



Applications

- Drop and Input IF Modulation for Video and Audio
- Studio-to-Transmitter Links and Transmitter-to-Studio Links

Features

- Advanced design
- Compatible with existing analog/heterodyne systems including DAR and FLH models
- Meets EIA/TIA-250-C
- Up to four internal program audio channels
- Optional clamper and pilot generator/detector
- Monitor and alarm output on rear "D" connector for driving fault alarms
- Standard 70 MHz IF

Overview

The IF Modem (Modulator/Demodulator) equipment is suitable for dropping and inserting video/audio signals on existing heterodyne systems. With its wide variety of configurations, it's easy to design the ideal system to meet your needs.

Each shelf can hold up to two IF Modulator or IF Demodulator channels, or one IF Modulator and one IF Demodulator, with their associated audio and logic equipment. This flexibility allows for a variety of system applications for multiplex and duplex configurations.

Up to 4 internal, high quality audio channels can be carried above the video for transmission of program audio channels, low-speed data, or supervisory order wire in any combination. In addition, a clamper, and pilot generator/detector can be installed internally through an optional logic board.

The IF Modulator provides filtered video input, baseband input, and standard IF level output. The IF Demodulator provides filtered video output, baseband output, and standard IF level input. The audio connections are provided by balanced three-terminal connectors.

The modular design of the rack-mountable IF Modem employs plug-in modules with easy access via a hinged front panel. The IF Modem uses the same high-performance baseband modules found in the FLR/DAR series of long-haul microwave radios.

The combination of field-proven electronics, innovative design techniques, and MRC's commitment to stringent quality standards ensures high system performance and reliability.

