

CodeRunner 2 MPEG/COFDM Module

COFDM Modulator & MPEG Encoder Plug-In Module



Applications

- Analog and Digital ENG applications requiring both DVB-T COFDM modulation and MPEG-2 Encoding

Features

- Fully Integrated MPEG Encoder & DVB-T COFDM Modulator in one Plug-In Module
- Field Upgradable
- Front Panel Menu Controls for Audio, Video, Modulation, and Bandwidth
- Color Bar with ID (Standard Feature)
- MPEG 4:2:2 or 4:2:0
- Adjustable 6, 7, or 8 MHz Bandwidth
- QPSK, 16QAM, or 64QAM Modulation

Overview

The CodeRunner 2 MPEG/COFDM Module provides high quality MPEG Encoding and COFDM modulation in a single plug-in module. Eliminating the need for external encoders or modulators, the CodeRunner 2 can now be configured for both analog and digital broadcast, while being housed in a single 2RU shelf.

The CodeRunner 2 Menu system provides full front panel controls for audio, video, modulation, and encoding.

The MPEG/COFDM Module lets you upgrade your CodeRunner 2 in the field. For more information, contact MRC about pricing and upgrade options.

SPECIFICATIONS

VIDEO

Inputs: Composite NTSC/ PAL,
Serial Digital(SDI), SMPTE 259 C
Video Encoding: MPEG 4: 2: 0 and MPEG 4: 2: 2
(Selectable via front panel)
Video Encoding Rate: 2 to 30 Mbits, (4: 2: 2)
1.5 to 15 Mbits, (4: 2: 0)

AUDIO

Analog Audio: 2 balanced stereo inputs
Configurable as Dual Mono or Stereo
Impedance 600 ohms
(Switchable front panel)
Digital Audio Inputs: Supports AES/ EBU Audio Inputs
(2 pairs) Balanced Inputs –48 Khz Sampling
(Switchable front panel)
Audio Bit Rate: 192 Kbits/Channel,
384 Kbits Stereo

CONNECTORS

Video: BNC connector (Data port)
Audio: Molex Connector

COFDM FEATURES

Output: 70 MHz
Carrier Mode: 2K per DVB-T Standard
Constellation Support: QPSK, 16QAM, 64QAM
(Front Panel Selectable)
Guard Interval: 1/ 4, 1/ 8, 1/ 16, 1/ 32
(Front Panel Selectable)
Bandwidth Selection: 6, 7, 8 MHz
(Front Panel Selectable)
CW Tone: 70 MHz CW Test Tone
ON/OFF (Front Panel Selectable)
Color Bar: Internal Color Bar with Service ID
(Up to 8 ch aracters, Factory Set)



CodeRunner 2 Indoor Unit, RF Unit, and 2A20SS Antenna

