

HE Series

Modular Headend System - MIDM



○ Features & Benefits

- Die-Cast Chassis Offers Superior Protection Against Ingress or Egress
- Demodulates Any Channel 54-806 MHz
- LED Display Makes Agile Channel Selection Easy
- Compatible with MICM-45 Modulator for Compact Off-Channel Processor Solution

○ Specifications

The MIDM series are professional quality agile audio/video demodulators. They are specifically designed for use with the HE-12 line of Modular Headend Systems. The MIDM-806C is intended for both CATV and VHF & UHF applications. The unit is housed in a "single width" Die-Cast housing that allow deployment of up to 12 demodulator units in a MIRC-12 chassis. The MIDM-series demodulates standard CATV, IRC and HRC channels and is capable for "Cherry Picking" of CATV channels in preparation for remodulation. The input frequency range is agile, allowing selection of any CATV channel from 54 to 806 MHz. Baseband audio and video are provided as outputs. It is ideal for off-air signal processing (audio/video processing and remodulation) applications. Baseband audio and video are provided as outputs. The MIDM series features rock solid, phase lock loop (PLL) synthesized frequency control. Agile frequency selection is accomplished via front panel channel up/down buttons with a LED channel readout for easy on-the-fly channel changes. A channel lockout mode is also provided to prevent accidental channel changes. Non-volatile memory maintains the programmed channel selection in case of power loss. All MIDM series units are compatible with any modulators requiring a baseband input, and can be used in any combination with the MIPS-12C power supply in a MIRC-12 chassis.

RF

Input Frequency Range: 54-806 MHz VHF, UHF
Channels: CATV, Standard, IRC or HRC
Input Level - Range: 5 to +30 dBmV
Noise Figure: 8-11 dB
Image Rejection
VHF: 65 dB
UHF: 50 dB
Input/Output Impedance: 75 ohm

Video

Output Level: 1.0 V p-p
Output Impedance: 75 ohm

Audio

Output Level: 1.0 V p-p
Impedance - Unbalanced: 600 ohm

General

Power Requirements
Voltage: +12 VDC
Current: 200 mA
Power: 2.5 W
Temperature Range: 0 to +50 °C

Mechanical

Dimensions (WxHxD):
1.15 x 3.5 x 7.50 in
29 x 89 x 191 mm
Weight: 0.65 lbs, 0.30 kg

Connectors (Rear Panel)

RF input: "F" Type, Female
Video Output: "F" Type, Female
Audio Output: RCA Phono, Female
Power: Header, 3 Pin

Controls (Front Panel)

Channel Selection: Push buttons
Video Level: Control
Audio Level: Control

Indicators (Front Panel)

Power ON: LED, Green

○ Ordering Information

Model	Description
MIDM-806C	HE-12 Series Agile Audio/Video Demodulator 54-806 MHz UHF/VHF/CATV Input (STD,HRC,IRC)