

ZDM Series

Agile Audio/Video Demodulator



○ Features & Benefits

- Rack Mountable - 1 EIA (1.75") Rack Space
- Agile Demodulator
- LED Display for Easy Channel Selection
- Superior Performance, Broadcast Applications

The ZDM Series are agile audio/video demodulators. Two versions are available, the ZDM-750B for CATV applications and the ZDM-806 for VHF & UHF applications. The ZDM-750B demodulates standard CATV, IRC and HRC channels. It employs a double conversion tuner for optimum "Cherry Picking" of CATV channels in preparation for remodulation. The input frequency range is agile, allowing selection of any CATV channel from 54 to 750 MHz. Baseband audio and video are provided as outputs. The ZDM-806 can demodulate any single VHF & UHF channel in the 54 to 806 MHz frequency range. It is ideal for off-air signal processing (audio/video processing and remodulation) applications. Baseband audio and video are provided as outputs. Both units offer agile channel selection, via front panel LED displays and channel up/down buttons, permits on-the-fly channel changes. A channel lockout mode is also provided to prevent accidental channel changes.

○ Specifications

RF

- Frequency Range
 - ZDM-806: 54-806 MHz
 - ZDM-750: 54-750 MHz
- Channels
 - ZDM-806: VHF, UHF, CATV
 - ZDM-750: VHF, CATV
- 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

General

- Power Requirements
 - Voltage: 117, $\pm 10\%$ VAC
 - Frequency: 60 Hz
 - Power: 2.5 W
- Temperature Range: 0 to +50 °C

Mechanical

- Dimensions (WxHxD):
 - 19.0 x 1.75 x 4.00 in
 - 483 x 44 x 102 mm
- Weight: 4.00 lbs, 1.82 kg

Connector (Rear Panel)

- RF Input: "F" Type, Female
- Video Output: "F" Type, Female
- Audio Output: RCA Phono, female

Controls (Front Panel)

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

Indicators (Front Panel)

- Power ON: LED, Green
- Channel: LED, 7 Segment, 3 Digit

○ Ordering Information

Model	Description
ZDM-750B	Agile Audio/Video Demodulator 54-750 MHz CATV Input
ZDM-806	Agile Audio/Video Demodulator 54-806 MHz UHF/VHF Input