

Modular Headend System Rack Chassis and Power Supply

MIRC-4D 4 Slot Vertical Chassis



MIRC-12V 12 Slot Horizontal Chassis



MHF Headend Fan



The MIRC-4CUBE is extremely well suited for use in surveillance or security type applications. A video camera's baseband video output can be modulated to any cable television channel and combined with existing TV signals to permit any outlet to monitor the camera feeds. This compact chassis can support up to 4 fixed channel or agile modulators and can be mounted in practically any location. The use of Blonder Tongue high performance modulators easily permits placing camera signals on adjacent channels.

MIRC-4 CUBE



MIPS-12C Power Supply

Specifications

General

Power Requirements: 100 VAC to 240 VAC, $\pm 10\%$
 Frequency: 50 to 60 Hz
 Temperature Range: 0° to +50° C
 Output: +5 VDC @ 5.5 Amps, +12 VDC @ 4 A, 75 W

Mechanical

Dimensions (WxHxD): 4.16" x 3.5" x 7.50"
 Weight: 1.10 lbs (0.50 kg)

Connectors

AC In put: IEC
 DC Output: 37 pin D

Indicators

Power: LED, Green

Accessories Supplied

AC Power Cable: 6 Ft, IEC, USA

Specifications

General

Power Requirements: 100 VAC to 240 VAC
 Frequency: 50 to 60 Hz
 Temperature Range: 0° to +50° C
 Output Voltage & Current Capacity:
 +12 VDC @ 1.8 Amps
 +5 VDC @ 1.8 Amps

Ordering Information

Model	Stock #	Description
MIRC-4D	7711	HE-4 Series Rack Chassis & Power Supply 19" Rack Mount
MIRC-12V	7715	HE-12 Series Vented Rack Chassis 19" Rack Mountable 2 RU Chassis for 12 Modular Units
MIPS-12C	7722C	HE-12 Series Power Supply 5.5 A on 5 VDC line, 4 A on 12 VDC line
MIRC-4CUBE-CH	7703	4 Slot Vertical Chassis Supports combinations of up to 4 MICM, AMCM or MIDM units
MIRC-4CUBE-PS	7702	4 Slot Vertical Chassis Power Supply Unit

Accessories

Model	Stock No.	Description
MIBP-1	7787	Blank Panel Insert Single Modular Panel compatible with HE-12 / MIRC-12 Chassis
MIBP-2	7788	Blank Panel Insert Dual Modular Panel compatible with HE-12 / MIRC-12 Chassis
MHF	7782	Modular Series Headend Fan

Analog Agile Demodulator



The MIDM is a professional quality agile audio/video demodulator and is intended for both CATV and VHF & UHF analog applications. The unit is in a "single width" Die-Cast housing that allows deployment of up to 12 demodulator units in a MIRC-12 chassis.

The MIDM 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 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. The MIDM is 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.

Features

- 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

RF

Frequency Range: 54-806 MHz
VHF, UHF, CATV
(Std., IRC, HRC)

Input Level Range: -5 to +30 dBm VHF/UHF,
+2 to +12 dBmV (CATV)

Noise Figure: 8 dB
Image Rejection: VHF 60 dB

Input Impedance: 75 Ω

Video

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

Audio

Output Level: 1 Vp-p
Output Impedance: 600 Ω , Unbalanced

General

Power Requirements - External:
12 VDC @ 140 mA
5 VDC @ 150 mA
Temperature Range: 0° to +50° C

Mechanical

Dimensions (WxHxD): 1.0 x 3.5 x 7.50 in
29 x 89 x 191 mm
Weight: 1.2 lbs (0.56 kg)

Connectors/Impedance

Audio Output: RCA Phono, Female
Video Output: 75 Ω "F" Type, Female
RF Input: 75 Ω "F" Type, Female
Power: Locking Header, 3 Pin

Controls

Channel Selection: Push Buttons
ANT/CATV: Push Button
Power On/OFF: Push Button
Channel Lock: Push Button
Audio Level: Control
Video Level: Control

Indicators

Channel: 2 Digit, 7 Segment LED

Ordering Information

Model	Stock No.	Description
MIDM-806C	7740C	HE-12 Series Agile Audio/Video Demodulator 54-806 MHz UHF/VHF/CATV Input (STD, HRC, IRC)