



2 video channels High Definition Digital RF Modulator



## Distribute 2x FULL-HD Video to All TV over Coax

The VeCOAX MICROMOD TWO is a 2 Channel Full HD COMPACT modulator ideal solution to distribute two SD or HD 720p / 1080i / 1080p Video Signals to an unlimited number of HD Television over the existing coax cables

### KEY Benefits

- **COMPACT Wall Mount / Desktop** TWO Channels Modulator
- **Can be Rack Mounted** using the Included Rack Ears
- **Distribute Any SD / HD** Video to All TVs Over the Existing Coax Cables
- **SAT & CABLE Boxes Tested & Approved**
- **2 Channels in a box**, Independent and simultaneous
- **Easy To install**, Works in minutes Anywhere
- **Perfect Full Digital HD Quality**, Same as the original Source - up to 1080P
- **Universal Inputs** - HDMI + Component + Composite + Audio - Select Via Software
- **HDMI Full Digital HD Quality**
- **Real Time**, perfect also for Live Applications
- **IPTV Output** to watch on WIFI/LAN on Tablets / Computers / IP decoders

- **Built In Coax Amplifier**, Works Directly with your Coax Distribution
- **Dolby Digital Sound + 5.1 + 7.1** - All Audio Modes
- **CC Closed Caption**
- **Any Channel Number** - Agile
- **Expandable** to Multiple Channels adding more Units at any time
- **Change output** via USB software at any time  
USA Off Air / USA QAM Cable / DVBT-T2 / DVBC-C2 / ISDBT / DMBT
- **All Cables, RACK Ears and accessories included in the box**, also 2x PRO HDMI Cables
- **Made In USA - 5 Years Warranty**

## Application Example

**VeCOAX** HD/SD Video Distribution to HD TVs over Coax

Full HD 1080p

HD RF CHANNELS Out To Any Coax

2x Inputs

Wall Mount - Desktop - Rack Mount

IPTV Streaming Out to WIFI / LAN (Option)

MY PROGRAM #1 HD  
MY PROGRAM #2 HD  
MY PROGRAM #3 HD  
MY PROGRAM #4 HD  
.. other TV Programs

IPTV

HDMI

QAM ATSC DVBT ISDBT DVBC

PVI IPdecoder

Have a question ?  
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## Key Benefits



Distribute your HD Video Signals to All TV Over The Existing Coax Cables

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Perfect Full HD quality Anywhere, up to Full HD 1080P

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Ultra Low Delay, Perfect also for Live Applications

## Main Specifications

### Video

HD Video Quality	Full HD 1080P Video Quality. Also all Lower resolution as 720p are supported
Digital Video Inputs	2X HDMI For perfect Digital Sound and Picture - Can work with any HDMI video source
Analog Video Inputs	2x HD-SD Component / 2x SD CVBS Composite
Inputs Selection	Any combination via software as Well Analog Audio and Digital Video
Input Resolution	Auto-Detect - Up to 1080 FULL HD
Video Scaler	Input resolution is auto detected and kept as is for the best original quality A scaler function can also be selected on our standard software to scale the input to lower resolution to match the specific needs
VGA input	VGA+Audio Cable adapter is available
DVI input	DVI+Audio Cable adapter is available
SDI input	SDI Embedded Cable adapter is available

AUX Input	Inject external data streams from other device and use the modulator to out to coax
Closed Caption / TXT	Yes - all formats
Encoding Modes	All Modes - MPEG2 / MPEG4 H264 selectable by software per each channel
ATSC 3.0	Yes, fully compatible
Encoding Latency	Ultra low delay 50 milliseconds encoding
Encoding Bitrates	User selectable From 0.5 to 20 Megabits/s per channel - VBR/CBR Stat Mux
Encoding Quality	PREMIUM TRIPLE-PASS Motion Estimation with CRYSTAL-VIEW Technology
Encoding Control	Video Bitrate, CBR/VBR, Ultra fast encoding modes, 1080P mpeg2 mode

## Audio

Digital Audio Inputs	HDMI embedded
Digital Audio Format	Selectable Dolby Digital / AC3 / Stereo / 5.1 - 7.1 pass-through / MPEG2 / AAC
Analog Audio Inputs	RCA L/R - Analog audio can be selected also with Digital HDMI Video input

## Coaxial Output

Standard	Available: <b>USA QAM CABLE - USA ATSC OFF AIR - DVBT/T2 - DVBC/C2 - ISDBTb - DMB-T</b>
Mer Quality	Very High Quality Mer of 45dB+ the best reception on all TVs over any existing Coax Cables
Spectrum Quality	Totally Digital DDS spectrum for perfect operation on any coax, also adjacent to other channels
Change Standard	Output Standard can also be changed on site via software and USB cable

Channel Numbers	Can be set to Any Channel - ( Full Band 30-950 MegaHertz ) any bandwidth
Output Level	Full HeadHend RF level out +45 dB millivolts - Directly drives splitters and long Coax Cables
Coax Distribution	Distributes channels over any existing coax cable system to an unlimited number of Digital Televisions
RF Carriers	Multi Channel Mode ( one channel out per each video in xx.1 yy.1 zz.1 ) or Mux Mode ( All Programs in one Channel with sub channels as xx.1 xx.2 xx.3 ) Each mode is selectable by software
USA QAM Digital Cable Model	American Cable Standard - All Modes supported, including 64QAM and 256QAM
USA ATSC OFF AIR Digital TV Model	American Digital OFF-AIR Standard - All Modes supported
DVB-C Cable Model	All DVB-C Modes supported, as well all world-wide standards J.83A + J.83B + J.83C + J.83D
DVB-T/T2 Model	All World-Wide Modes Supported - 6 / 7 / 8 Mhz Bandwidth - South America / NZ / AU / EU
ISDB-Tb Model	Brazilian Digital Terrestrial Standard - All Modes supported
DMB-T Model	Chinese Digital Terrestrial Standard - All Modes supported
PSI / PSIP / NIT / EIT / VCT ..	All Supported

## IPTV Output

IP Streaming Out	Included - Simultanoues RF+IPTV out - 1x Gigabit IPTV streaming output port We also manufacture IPTV Set top boxes with WIFI/LAN connection and HDMI/Analog out
Number & Type of Streams	2x selectable RTP/UDP SPTS Single Program Transport Streams, IGMP, Multicast/Unicast
Average Bitrate Per Stream	14 Megabit/s in MPEG2 mode - 3.5 Megabit/s in MPEG4 H264 In 1080p format

Multicast Broadcast Mode	Yes -1 stream ( 1 time the bitrate ) can serve an unlimited number of ip video players
Play on Any IP Device	Compatible to any IP Video player Software, IPTV set top Boxes, PCs, Tablets, Phones, IP TVs
Play on AirPlay / DNLA	Yes, Requires our WIFI access point server - plays directly from Safari, Apple TV3, WIFI TVs

## Control

Front Panel	Easy Setup & Control through display and panel keyboard - Clear Led Status Indicators visible anywhere
WEB Remote Control	Integrated WEB interface to login and remote control from anywhere
SNMP Remote Control	SNMP control via standard MIB file driver - compatible to any NMS SNMP software
Interface	Dedicated RJ45 100 Base-T Ethernet Network Port

## Channels Expansion

Daisy-Chain or Coax Combiners	Can connect Multiple Units also of different models for the wanted number of channels
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## General

Power	Internal Professional Power Supply with power switch - 100-240VAC 50/60Hz, 65W max
Enclosure Dimensions	1.72" H x 9.5 W x 9.5 D 43.6 mm H x 240 mm W x 240 mm D
System Weight	5.5 lbs (2.5 kg )
Shipping Dimensions (individual)	Carton Box 4" H x 22" W x 14.5" D 100 mm H x 550 mm W x 360 mm D
Shipping Weight	10 lbs (4.5 kg)
Cooling	Ultra Low Noise FAN Cooling + Natural Air Circulation

MTBF	55,000 hours
Compliance	FCC Class A, IEC60065, EN61000, CE, RoHS, RCM, C-Tick
Warranty	5 years
Rear Panel	Available connectors and layout changes based on model and options

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## Cables and accessories

Power Cord	Included - compatible to your country socket
Video Input Cables	Included
Asi Input Cable	Included
Rack Mount Ears	Included



## Call PVI

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Products before you buy.  
Talk with a knowledgeable  
Specialist. Monday to Friday  
9AM - 7PM EST Time

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Our Specialists will reply to you  
shortly with all the answers and  
information you need for the  
best and cost-saving results

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