

VeCOAX-DIN PLUS

Wall Mount 1 - 2 - and 4 Channels HD Modulator



4x HDMI™
HIGH DEFINITION MULTIMEDIA INTERFACE



DVB T HD
DVB C HD
QAM HD
ATSC HD
ISDB T HD

**Turn your HDMI Video Signals into HDTV Channels
and Distribute to all of your HD TVs via the antenna coax cable**

- ✓ *Wall Mount HDMI Full HD Digital Video RF Modulator*
- ✓ *Available with single / dual / quad HDMI or HD-SDI Simultaneous Channels*
- ✓ *1080p / 1080i / 720p Full HD Resolution*
- ✓ *Dual Pass Pro Video Encoding – Perfectness HD Picture - same as the original*
- ✓ *Silent & Cold operation - installs anywhere in any room*
- ✓ *Built-in Self Adaptive RF Mixer – perfect distribution on your Coax Cables*
- ✓ *RF out for DVB-T – DVB-C – US Clear QAM – ATSC - ISDB-T*
- ✓ *HDMI / HD-SDI / HD Component / CVBS input models available*
- ✓ **5 YEARS of warranty & Breakthrough Price !**



The Perfect Quality HDMI HD Distribution

Easy 1080p HD Video distribution to unlimited TVs via the Antenna Coax Cable



Available as 1 / 2 / 4 Channels



Easy Distribution sharing the existing Antenna Cable

Based on the Newest HDTV Broadcasting technologies, the VeCOAX-DINPLUS converts your HDMI Video Signals into real HDTV digital channels you can simply distribute through to the existing antenna coax cable to all of yours TVs, so all your TVs will receive it together with the others standard HDTV programs. Up to 1600 Feet (500 meters) of coax cables can be driven with no need to re-amplify.

Perfect Choice

The VeCOAX DIN PLUS is the perfect choice for your HD Video distribution, providing Total compatibility with Any TVs, **quality of components and 5 years of full warranty.**

Available with 1 or 2 or 4 HDMI Full HD inputs, it can distribute all your HD video signals to unlimited TVs, And Multiple units can be easy used to expand to the wanted number of channels.

Easy to install and operate, the VeCOAX DIN PLUS can be Wall Mounted or Desktop operated in every room, Silent and cold in operation. A Rack frame accessory is also available to install up to 7 VeCOAX DIN PLUS units onto any Rack system.

Our special built-in Self-Adaptive RF mixer guarantee you the perfect compatibility and trouble-free operations with your existing antenna coax cables, for a perfect anywhere on all your TVs.

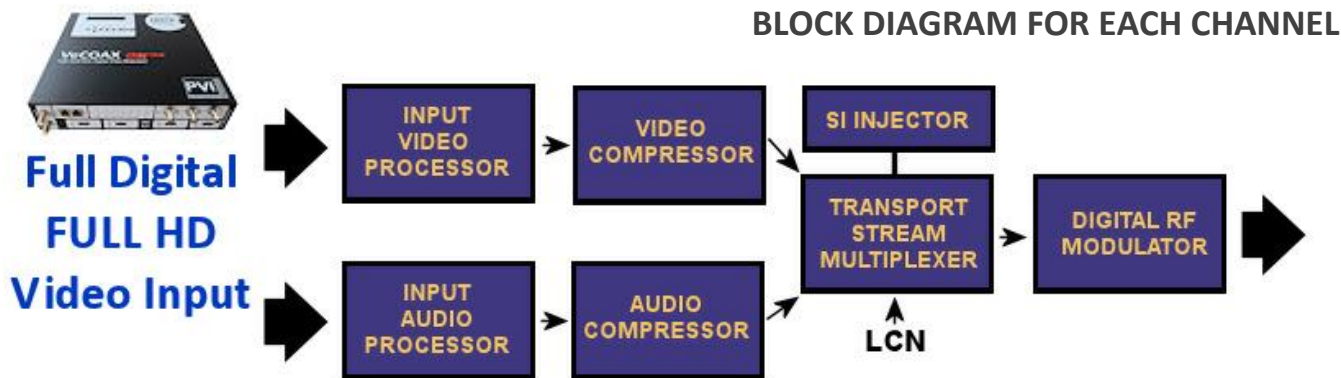
Outstanding Full HD Picture Quality on all your channels

The VeCOAX-DIN PLUS is a true Full HD Modulator providing total quality of HD picture and sound, same as the original, with perfect motion and resolution. Each HDMI video is directly digitally-converted to a DTV channel you can watch on your TVs without any loss of quality respect the original, perfect on Sports, Movies, Graphics & Texts, etc.

At a Glance

- ✓ **Distribute your HD Video Signals to Unlimited TVs Through the existing Antenna Cable**
- ✓ **Dual Pass Hi-End processing for Outstanding HD Quality Same as the original**
- ✓ **1080p / 1080i / 720p**
- ✓ **1 or 2 or 4 HDMI inputs**
- ✓ **Easy to install Setup in Minutes Anywhere**
- ✓ **Silent & Cold Operation**
- ✓ **Distributes through 1600 Feet (500Mt) of coax cables without re-amplify**
- ✓ **5 YEARS of Warranty**
- ✓ **Best Quality & Price on the market**

Perfect Integration & Compatibility



Save your Time and Money

VeCOAX-DINPLUS works through the standard existing antenna coax cables directly to all of your TVs, so there is no need to wire new cables nor install any adapter on each TV.

You'll be able to switch between regular programs and the VeCOAX ones seamless using the standard TV's remote controls, avoiding multiple Remotes, with perfect Full HD quality.

Where needed, our optional IR Infra-red over coax extender kit allows you to control all the Master room video sources and players from any room, using simple and cost effective industry standard programmable remote controls or sleek and hi-tech tablets.

Connect to Any Video Source

The VeCOAX-DIN PLUS satisfies any possible need and application, connecting to any standard HDMI video sources as Satellite and cable set top boxes, Players, USB & multimedia players, Security video camera systems, Signage and info players, Computers, Custom Appliances.

Any connected video source becomes a real HD TV channel you can watch on all your connected TVs at any distance, with perfect HD picture quality, same as the original.

Also HDMI switch matrix selectors can be connected to the VeCOAX inputs enabling also sub-source selection per each channel

Where needed, native VGA, DVI, SDI input options can be installed on each single input, making any video source compatible.

Unlimited Applications :

HD entertainment, HD surveillance, Private Homes, Condominiums, Sport Bars, Restaurants, Lounges, Clubs, Discos, Resorts, Hotels, Malls, Convention Centers, Race Tracks, Hospitals, Airports, Theaters, Live Events, Motor Yachts, Cruise Ships, Corporates, Schools, Campus, In Store TV, HDTV Distribution, Info Channels and Digital Signage, Low Delay full HD Monitoring, Coax Broadcasting, and your...



Key Benefits

- ✓ Dual Pass TOP QUALITY video processing, for outstanding picture quality Same as the original source
- ✓ Silent & Cold operation
- ✓ Compact Wall Mount Installs anywhere
- ✓ Built-In special self-adaptive RF MIXER for perfect quality distribution through your Antenna coaxial Cables
- ✓ 1 / 2 / 4 simultaneous HDMI channels models available
- ✓ 1080p / 1080i / 720p
- ✓ Simultaneous IP streaming available
- ✓ HD-SDI / Component / CVBS models also available
- ✓ IR extenders available
- ✓ Perfect for any application
- ✓ 24/7 Reliable – Non-Stop
- ✓ 5 YEARS of Warranty
- ✓ Best Quality on the market
- ✓ Breakthrough price

Perfect choice, Affordable & Built To Last



The VeCOAX-DIN PLUS is available with single, dual, quad HDMI inputs, Different output standards as DVB-T, DVB-C, ATSC CLEAR QAM, ISDBT, Mpeg 4 H.264 HD world-wide standard compression or MPEG2 HD for specific needs and compatibility with older TV sets. Infra Red Extenders can be purchased if needed, for the wanted number of rooms. The RACK Mount frame adapter can be used to install up to 7 VeCOAX DIN PLUS on rack

Video Inputs

Standard Video Input Interface

HDMI

- 1 or 2 or 4 simultaneous HDMI inputs depending by model
- HDMI 1.4 Full HD Input 36-bit color depth
- Broadcasting industry standard resolution 1080p / 1080i / 720P 59,94 / 50 Frames/Fields
- HDMI Audio Stereo/Surround
- DVI devices can be directly connected using simple DVI>HDMI cables setting 1920x1080 or 1280x720 TV resolution

Native Computer DVI (option)

- DVI Digital + SPDIF and LR audio
- Any resolution and scan VGA/XGA/SXGA/WSXGA/UXGA
- Automated scaling to 1080 TV res

Native Computer VGA (option)

- DVI Digital + SPDIF and LR audio
- Any resolution and scan VGA/XGA/SXGA/WSXGA/UXGA
- Automated scaling to 1080 TV res

Native HD/SD SDI (option)

- HD/SD SDI embedded
- 1080p / 1080i / 720p and SD
- 1 stereo/surround audio pair

SD AV CVBS (option)

- Composite CVBS video input
- 576i / 480i formats
- One stereo L/R unbal audio in

Audio Inputs

Standard Audio per Input Interface

HDMI

- HDMI Audio Stereo/Surround

Native Computer DVI (option)

- One stereo L/R + SPDIF RCA

Native Computer VGA (option)

- One stereo L/R + SPDIF RCA

Audio Inputs

Standard Audio per Input Interface

Native HD/SD SDI (option)

- 1 Pair embedded

HD-SD COMPONENT

- One stereo L/R unbal audio in

SD AV CVBS

- One stereo L/R unbal audio in

Video Encoders

Simultaneous HD Encoding

- Single or Dual Or Quad Independent / simultaneous encoders, Full Frame, Full Quality, Full Resolutions.
- Each Encoding channel can be set to the wanted parameters independently from the others

MPEG4 H264 Video Encoding

- Mpeg-4 H.264 AVC
- HD HP@L4 High Profile @ Lever 4.0 1920x1080p, 1920x1080i, 1280x720p
- Average Latency 800 ms

MPEG2 HD Encoding (option)

- Mpeg-2 HD
- HD MP@HL 4.2.0 Standard Broadcast 1920x1080i, 1280x720p & SD
- Average Latency 170 ms

Compression Modes per each channel

- Dual Pass Broadcast-Quality Hierarchical motion estimation
- VBR Statistical Multiplexing
- Also CBR Mode
- Video Bitrate From 1 to 25 Mbps / CH
- User defined Program Name, Service Provider, Channel Number, and other SI information
- User defined PIDs

Audio Encoder

Audio Encoding profiles

- Mpeg-1 Layer II – All Modes
- Surround pass-through

Optional Audio formats

- AC3-Stereo (opt- AC3)
- AAC-LC (opt –AAC)

Channel Names & Data

Program Name

- User editable Program Name
This is the name that will appear on your TVs

Network Name

- User editable Network Name
This is the name that will appear on your TVs

Channel number

- User editable Channel Number
This is the destination memory number your TVs will try to automatically store this channel to. In case of conflicts with other existing programs, most TVs will prompt for conflicts decision (depend solely by the TV model and its software)

Specifications

RF Modulator Out

DVB-T Version (version T)

- DVB-T Standard DVB ET300744
- Frequency range:
30 to 1000 MHz @ 1 KHz steps
- Channel Bandwidth : 6/7/8 Mhz
- RF IN – built-in Mixer
- RF Out Level: Adjustable
from -10dBm to -30dBm
- Impedance : 75 Ohm (50 opt.)
- MER: Professional-Grade >47 dB
- Spectrum Shoulders: 55 dB for
perfect adjacent-channel operations
- Out Filter: -70 dB of Harmonic
and spurious suppression
- DVB-T modulations: QPSK, 16QAM,
64QAM
- FFT: 2K / 8K mode
- Guard Intervals: 1/4, 1/8, 1/16, 1/32
- Code Rates: 1/2. 2/3. 3/4. 5/6. 7/8

DVB-C Version (version C)

- DVB-C Standard DVB ET300429
- Frequency range:
30 to 1000 MHz @ 1 KHz steps
- RF IN – built-in Mixer
- RF Out Level: Adjustable
from -10dBm to -30dBm
- Impedance : 75 Ohm (50 opt.)
- Spectrum Shoulders: 55 dB for
excellent adjacent-channel operations
- Out Filter: -70 dB of Harmonic and
spurious suppression
- - ITU-T J.83 A/C (Europe/Japan)
- - 16/32/64/128/256 QAM
- Any MegaSymbol

CLEAR QAM North American (version Q)

- ITU-T J.83 Annex B QAM-B
- PSIP descriptors edit and Injection
- Frequency range:
30 to 1000 MHz @ 1 KHz steps
- RF IN – built-in Mixer
- RF Out Level: Adjustable
from -10dBm to -30dBm
- Impedance : 75 Ohm (50 opt.)
- Spectrum Shoulders: 55 dB for
excellent adjacent-channel operations
- Out Filter: -70 dB of Harmonic and
spurious suppression
- - 64/256 QAM
- Any Mega Symbols

RF Modulator Out

ATSC 8VSB (version A)

- North American ATSC 8VSB
- PSIP descriptors edit and Injection
- Frequency range:
30 to 1000 MHz @ 1 KHz steps
- RF IN – built-in Mixer
- RF Out Level: Adjustable
from -10dBm to -30dBm
- Impedance : 75 Ohm (50 opt.)
- Spectrum Shoulders: 55 dB for
excellent adjacent-channel operations
- Out Filter: -70 dB of Harmonic and
spurious suppression
- Out Filter: -70 dB of Harmonic and
spurious suppression

ISDB-T (version i)

- ISDB-Tb South American
- Frequency range:
30 to 1000 MHz @ 1 KHz steps
- RF IN – built-in Mixer
- RF Out Level: Adjustable
from -10dBm to -30dBm
- Impedance : 75 Ohm (50 opt.)
- Spectrum Shoulders: 55 dB for
excellent adjacent-channel operations
- Out Filter: -70 dB of Harmonic and

Control

Full Local Control/Setup

- Instant Access to all fetures from the
local Keyboard and Large Display,
without the need for a PC.

Remote Control

- Via standard Web Browser from any
PC, with security Login.

Physical and Power

Power - 90 to 240 VAC 50/60 Hz - 20 Watts.

MTBF - 40,000 Hours 24/7 non-stop

Max Dimensions 490x300x44.5 millim.
(19.2 x 11.9 x 1.75 inches)

Weight - 3,5 Kilograms (7 lbs)

Operating Temperature

-10°C to 50°C (14°F to 122°F)

Relative Operating Humidity

10% to 90% (Non-condensing)

Compliance

EN55022, EN61000-3-210, EN61000-3-310,
EN55024, CISPR22, EN60950-1, IEC60950-1
UL60950-1, UL60065, FCC Class B
Warranty - 5 Years Registering the product

Ordering Information



Ordering Information

VeCOAX DIN PLUS HDMI

Single HDMI input > VECOAX-DINPLUS-1-HD-**x-o**

Dual HDMI input > VECOAX-DINPLUS-2-HD-**x-o**

Quad HDMI input > VECOAX-DINPLUS-4-HD-**x-o**

X = OUTPUT TV STANDARD YOU NEED

change the above **x** letter with one of the following RF Output option:

- T** for DVB-T RF out
- C** for DVB-C RF out
- Q** for J.83-B US Clear QAM RF out
- I** for ISDB-Tb RF out
- A** for ATSC 8VSB RF out

O = SPECIAL OPTIONS

- MP2 change the HD encoding format from MPEG4 H264 to MPEG2 HD
- AC3 Audio Compression Mode
- AAC Audio Compression Mode
- IP Simultaneous IPTV Streaming out

ACCESSORIES

- DIN-RACK - rack frame adapter, Installs up to 7 modules
- IR-MASTER – infrared over coax extender main + 1 room
- IR-ROOM – additional infrared over coax for 1 more room

OTHER MODELS

SDI

Single HD SDI input > VECOAX-DINPLUS-1-SDI-**x-o**

Dual HD SDI input > VECOAX-DINPLUS-2-SDI-**x-o**

AV

QUAD CVBS SD input > VECOAX-DINPLUS-4-AV-**x-o**

For custom input configuration please Call

Have a question? Please contact us at

Info@provideoinstruments.com



ProVideoInstruments - www.provideoinstruments.com info@provideoinstruments.com

© 2012 ProVideoInstruments - All rights reserved.

VeCOAX, VeCOAX-DIN, VeCOAX-PRO, VeCOAX-Xpress, VeCOAX-Over-PowerLines – ProVideoInstruments are registered names and Marks
Pro Video Instruments maintains a policy of product improvement and reserves the right to modify the specifications without prior notice.