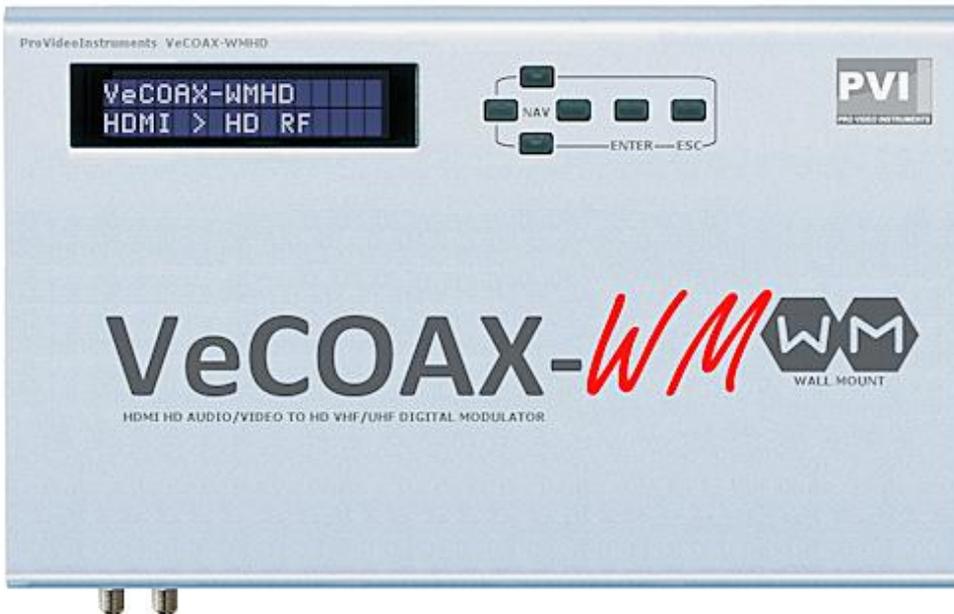


VeCOAX-*WM*



Full HD Video Distribution made EASY



HDMI™
HIGH DEFINITION MULTIMEDIA INTERFACE

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



**Converts your Full-HD Video Signals
into a standard HDTV RF channel
and distribute to unlimited HD TVs via the antenna coax cable**

- ✓ *FULL HD 1080p Digital RF Modulator*
- ✓ *HDMI 1080P – 1080i – 720p Video Input*
- ✓ *Digital HD RF output selectable to any VHF - UHF channel*
- ✓ *Also available with IPTV output and ASI I/O remux*
- ✓ *Installs in minutes, Does Not require new wires nor adapters*
- ✓ *Breakthrough Price*



Your HD Signals Everywhere – Simple & Easy

Front Panel has different dimensions depending from the purchased model

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



Simple Distribution via the Antenna Cable

Based on the DVB-T/C Broadcasting technology, the VeCOAX-WM converts your HDMI, DVI Video Signals into a real DVB-T / DVB-C / HD CLEAR QAM / ISDBT / ATSC digital TV frequency you can inject straight to the local antenna wall-mount socket, so all the TVs connected to the same coax cable will receive it as it would be just another standard HDTV program.

HDMI Inputs for the BEST FULL HD PICTURE QUALITY

VeCOAX-WM does not compromise with your quality of picture, thanks to its broadcast-grade processor that captures and distribute your Full-HD contents with almost no-delay and no flaws, perfect on Sports, High Motion Video, Text Crawls in Digital Signage, and any other content.

Connects to any Video Source

VeCOAX-WM can be connected to any HDMI or DVI full HD video source, compatible to any Player, Satellite and Cable HDTV set top box, DVI and HDMI computer output, USB Media Player, HD CCTV camera system, Home & Building Automations, and any other similar video device.

HDMI inputs makes this converter suitable for pro applications where perfectness of HD Picture Quality is most wanted.

Simultaneous IP Streaming output

VeCOAX-WM can be ordered with optional simultaneous IPTV Streaming output to feed any wifi and lan, to PCs, iPads, iPhones, etc

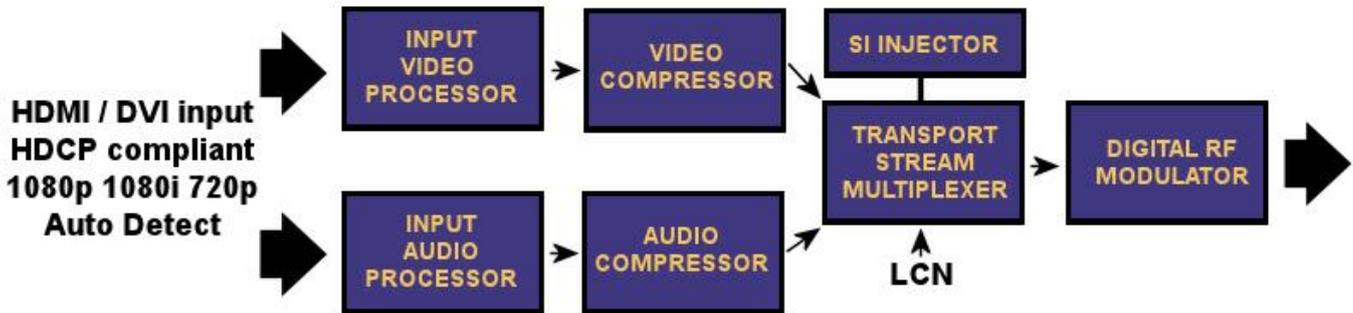
At a Galance

- ✓ HDMI Full-HD Input for the real perfect picture quality
- ✓ DVBT/C QAM ATSC ISDBT RF Output
- ✓ Control via Local Display
- ✓ Also Remote Control via PC
- ✓ Cool & Silent operation
- ✓ Professional Connectors
- ✓ Perfect and Clean picture on High Motion Video, Sport, Text Crawls, etc.
- ✓ VHF/UHF world-standards compatible
- ✓ Mix to existing antenna Channels on the same Coax
- ✓ Infrared Remote Control Repeater (option)

The Perfect HD Picture quality you want



BLOCK DIAGRAM



Save on Cables & Adapters

VeCOAX-WM does not need any additional set top box, nor adapters, extra cables and power supplies on each TV in every room, since it distributes your Full HD Video via the common antenna cable. You'll be able to switch between your new HD channels and any other standard received channel just using the original TV remote control.

TRUE HD - Home Entertainment

VeCOAX-WM is the perfect AFFORDABLE HD Video distribution solution for any Home Entertainment system, connecting any Home-Video Master system to all the other TVs in each room without the need to duplicate the AV equipment. The IR option allows infrared remote control feedback from any room to the master AV system via the same Coax Cable.



Hotel TV

VeCOAX-WM is the ideal choice to create unlimited HDTV channels in any Hotel and distribute to common TVs in every room via the Coax Cable. Digital Signage, Info Channels, Meeting channels, and any other video taken from any HD Video source.



Sport Bars & Casinos

VeCOAX-WM is the perfect solution for quality distribution to HDTV screens in Sport Bars, Restaurants, Casinos



And any other..

Campus, Schools, Hospitals, Cruise Liners, Boats, Stages, Airports, Metro, Corporates, and yours..

Benefits

- ✓ No Needs for any new cable Works on the existing antenna coax cable to all your TVs in every Room
- ✓ No Needs for any kind of adapters on each TV. Runs on standard HD TVs
- ✓ Drives 500+ meters of coax cables without the need of line amplifiers, to all your TVs.
- ✓ **HDMI input for TRUE FULL DIGITAL 1080p picture quality and resolution**
- ✓ Set on any free VHF/UHF channel, with no problems with adjacent ones
- ✓ Use the original TV remote control – no need for any additional remote control
- ✓ Quality Electronics for non-stop operations
- ✓ 5 YEARS of warranty
- ✓ TOP CLASS free tech support

Compatible to any HD-Tuner TV World Wide



Where needed, any Infra-Red Remote control signal can be sent from any viewing room back to the VeCoax / Video Sources room by using our VeCoax-IR TX + VeCOAX-IR-RX simple kits. An almost invisible, little LED device is placed on every TV in every room, and the same where the main Video Player is, so you'll be able to play, control, change anything, using the same remote control from the remote room, as you would do from the main Room.

Video Input

HDMI

- HDMI 1.4 Full HD Input
36-bit color depth
1080p / 1080i / 720P Resolutions
59,94 / 50 Frames/Fields
- HDMI Audio Stereo/Surround
- Number of inputs depends by model

Computer DVI

- DVI Digital via DVI-HDMI Cable
- VGA/XGA/SXGA/WSXGA/UXGA
- 59,94 / 50 Frames/Fields
- Audio requires hdmi embedder box

Audio Input

FROM HDMI

- HDMI Audio Stereo/Surround

FROM OTHER SOURCES

- We can provide you choice of optional additional audio to HDMI embedders so you can feed the VeCOAX-TX with any audio signal you might have if it is not already included in the HDMI transport

Video Encoders

Video Encoding profiles

- Mpeg-4 H.264 AVC
- HD HP@L4 High Profile @ Level 4.0
1920x1080p, 1920x1080i, 1280x720p
- Mpeg-2 HD optional - MP@HL 4:2:0
1920x1080p, 1920x1080i, 1280x720p
- RF Out follows encoding settings
- Number of simultaneous encoders depends from the model

Compression Modes (per each channel)

- Broadcast-Quality Hierarchical motion estimation
- VBR Statistical Multiplexing
- Also CBR Mode
- 0.3 Mbps to 20 Mbps
- Encoding Delay >800 msec
- Optional Low Delay (less than 200 ms) and programmable GOP *
- User defined Program Name, Service Provider, and other PSI information
- LCN
- User defined PIDs

Audio Encoder

Audio Encoding profiles

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

RF Modulator Out

DVB-T Version

- DVB-T Standard DVB ET300429
- HD Broadcast 1080i /720P
- Frequency range:
30 to 1000 Mhz
- Channel Bandwidth : 7/8 Mhz
- RF Out Level: Adjustable
from 91dBuV to 61dBuV
- Impedance : 75 Ohm (50 opt.)
- MER: Professional-Grade >45 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 + CLEAR QAM Version

- Selectable J.83 ABC World wide
- ITU-T J.83 B (USA), 64 QAM / 256 QAM
- - ITU-T J.83 A/C (Europe/Japan)
- - 16/32/64/128/256 QAM
- Frequency range:
30 to 1000 Mhz (incl chan 2-141)
- RF IN – built-in Mixer
- RF Out Level: Adj. from 85dBuV to 102dBuV
- Impedance : 75 Ohm (50 opt.)
- Spectrum Shoulders: 55 dB for excellent adjacent-channel operations
- Out Filter: -70 dB of Harmonic and spurious suppression
- 1 to 7990 Ms/s

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 - 18 Watts

Cooling - Almost Cold and quiet operation
internal fan side to side flow

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

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

Weight - 6,5 Kilograms (14,3 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 - 1 Year Standard / 3 yrs Extended

Ordering Information

FULL HD – for full HD Tuner Televisions

1. VeCOAX-WMT-HD DVB-T OUT
2. VeCOAX-WMC-HD QAM+DVB-C
3. VeCOAX-WMi-HD ISDB-T OUT

SD – for Standard Definition Televisions

1. VeCOAX-WMT-SDS DVB-T OUT
2. VeCOAX-WMC-SDS QAM+DVB-C
3. VeCOAX-WMi-SDS ISDB-T OUT

for IP Streaming out option add -IP
for ASI in/out option add -ASI
for 3G SDI input option add -SDI
for HD Component option ad -CMP

ATSC 8VSB / DVB-S-S2 upon request