

# VeCOAX-**PRO4-IP**

## HD Multi-Video IP Distribution EASY



**HDMI**<sup>™</sup>  
HIGH DEFINITION MULTIMEDIA INTERFACE



## Turn Four HD Videos into HD IP Streaming

and multicast to all of your IP TV set top box and mobile devices

- ✓ *Quad Channel Full HD HDMI digital Encoder IP Streamer*
- ✓ *The Best Full HD Picture quality on the Market – same as the original source*
- ✓ *Quad independent HDMI inputs, each creates its own Multicast Stream SPTS*
- ✓ *Works with any Network Switch and distribution*
- ✓ *Also available as HD-SDI, Component, Composite, VGA, DVI, or Mixed*
- ✓ *Noiseless & Cold operation – Installs Anywhere !*
- ✓ *Professional IPTV Streaming output*
- ✓ *Also simultaneous ASI in Remux + ASI out*
- ✓ *Rack Mount & DeskTop kits included*
- ✓ *Pro Connectors & Components for Non Stop Operation*
- ✓ **5 years warranty - Breakthrough Price !**



# Enjoy TRUE FULL-HD Quality Everywhere



The VeNET IP4 : converts FOUR HDMI HD Videos into IP Streaming for multicast over LAN and WIFI to unlimited TVs

## Why VeCOAX-PRO4-IP is the IPTV solution ?

*VeCOAX-PRO4-IP is the perfect, final and affordable solution to distribute Quality Full-HD Multi-Video to unlimited standard IP TV HD set top boxes and IP video players via common LAN and wifi networks.*

### Simple Distribution via the WIFI and LAN

Based on the IPTV technology, the VeCOAX-PRO4-IP converts FOUR independent HDMI HD videos and stereo or surround sound into a real time IP TV HD Streaming you can inject straight to the WIFI or LAN multicast-enabled networks, so all the connected IP Video players will receive it as it would be just another FOUR standard IP TV programs, HD. Each HDMI input is independent and can operate at the same or different resolution from the others.

### True HD Full-Quality on all your HD TVs

VeCOAX-PRO4-IP does not compromise with your quality of picture, thanks to its broadcast-grade processors 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.

### Multiple Programs

VeCOAX-PRO4-IP output can be set to any multicast address and port, as well to simultaneous unicast. Multiple VeCOAX-PRO4-IP can be used to achieve the wanted number of distributed programs.

### Connects to any Video Source

VeCOAX-PRO4-IP is compatible to any DVI and HDMI Sources.

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

### Easy Setup and Control

VeCOAX-PRO4-IP can be totally controlled via the local Display and Keyboard without the need to connect a PC.

Remote Control is also possible via the standard IP LAN network through the included management software.

## At a Glance

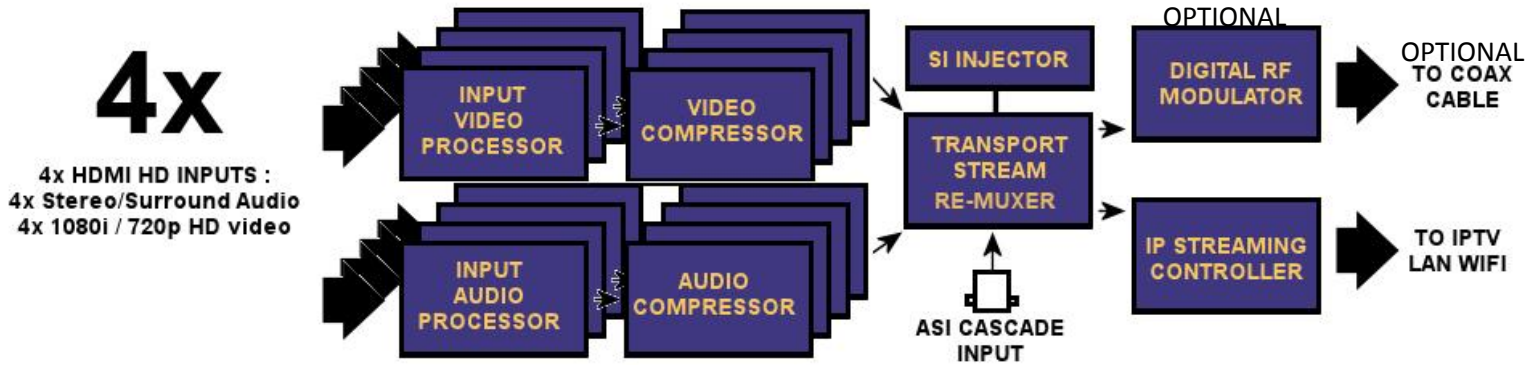
- ✓ FOUR HDMI inputs
- ✓ 1080 / 720 Full HD
- ✓ Rack Mount & Desktop
- ✓ Noiseless & Cold operation
- ✓ Pro Connectors & Components for Non-Stop operations
- ✓ Professiona Multicast SPTS multi-channel Streaming Output for perfect network distribution and reception
- ✓ ASI in / out with remux
- ✓ Services Descriptors editor
- ✓ Control via LCD/Keyboard
- ✓ Also Remote Control NMS
- ✓ Perfect Full-HD Picture quality, same as the original
- ✓ Works with any existing network
- ✓ 5 Years of warranty
- ✓ **Breakthrough price and Quality**



# Total Quality, Never been so simple



BLOCK DIAGRAM



## Save on Cables & Adapters

*VeCOAX-PRO4-IP runs on the same cable used for your VOIP ( voice over ip ) Telephone system, Internet access, and data.*

*One CAT5 or higher cable only handles all of them and HD TV.*

### Home Entertainment

VeCOAX-PRO4-IP is the perfect HD Multi-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.

Watch your favorite HD Contents on any Ipad, iPhone, PC, and IPTV Enabled TVs.



### Hotel TV

VeCOAX-PRO4-IP is the ideal choice to create unlimited HDTV channels in any Hotel, connecting source set top boxes and distribute to common IP TVs in every room via the same LAN cable used for VOIP Telephony and Internet Access. Digital Signage, Info Channels, Meeting channels, and any other video taken from any HD / SD Video source.



### Sport Bars & Casinos

VeCOAX-PRO4-IP 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..

## Key Benefits

- ✓ 4 Channels in a very Compact & noiseless unit
- ✓ No Needs to wire new cables as it works on the existing Network
- ✓ Direct reception on any Existing IP HD TV, IP Set top boxes, player software on tablets and PCs
- ✓ HDMI input for TRUE FULL DIGITAL Full HD picture quality and resolution
- ✓ Pro Connectors & Components for Non-Stop operations
- ✓ 5 YEARS of warranty
- ✓ Expandable with Multiple units chaining
- ✓ Free World-Class Support



# Perfect choice, Affordable & Built To Last



## Video Inputs

### HDMI

- 4x HDMI 1.3 Full HD Input  
36-bit color depth  
1080i / 720P Resolutions  
59,94 / 50 Frames/Fields
- HDMI Audio Stereo/Surround

## Audio Inputs

### HDMI

- 4x HDMI Audio Stereo/Surround

## Video Encoders

### Simultaneous HD Encoding

- FOUR independent / simultaneous encoders, Full Frame, Full Quality, Full Resolutions.
- Each Encoding channel can be set to the wanted parameters independently from the others

### Video Encoding profiles per each channel

- Mpeg-4 H.264 AVC
- HD HP@L4 High Profile @ Lever 4.0  
1920x1080P, 1920x1080i, 1280x720P
- RF Out follows the sum of the encoding settings

### Compression Modes per each channel

- Broadcast-Quality Hierarchical motion estimation
- VBR Statistical Multiplexing
- Also CBR Mode
- 0.3 Mbps to 20 Mbps
- Programmable Low Delay  
100 -400 msec
- Programmable GOP
- User defined Program Name, Service Provider, and other PSI information
- User defined PIDs

## Audio Encoders

### Simultaneous Audio Encoding

- FOUR independent / simultaneous audio encoders, one per each HDMI input

### Audio Encoding profiles per each channel

- Mpeg-1 Layer II – All Modes
- AAC-LC AAC-HE ( option )
- Surround pass-through

## ASI input & Remuxing

### ASI input

- 1x ASI Burst/Byte 188/204 Transport Stream Input
- Accepts any MPTS ( multi program transport stream ) or SPTS ( single program transport stream )
- Rates up to 214 Mbit/s

### Remultiplexing

- Decoding of the Services information from the ASI input
- Ability to “ REMUX “ selected DVB services ( programs ) from the ASI input to the ASI/IP/RF outputs, together with the FOUR generated New programs from the 4 HDMI in.
- Complete management of PIDs, Service provider/s, Service Names, manual or automatic PIDs remapping or pass-through, PCR correction, EMM/ECM cas and DSMCC PIDs and descriptors pass-through, etc.
- Full Remultiplexer features are completely controlled by using our NMS Software ( included ) on any PC

## RF Modulator Out - OPTION

This unit is available with DVB-T or DVB-C simultaneous RF output to the IPTV. Please check the VeCOAX versions brochures.

## IPTV Out

### IP Streaming out

- MPTS IP Streaming out
- Simultaneous to RF out
- Ideal for Wifi and Lan Simulcast
- UDP Multicast with full IGMP support
- Unicast up to 90 Mbit/s of requests.
- Complete config of network param.
- Compatible with any IP Set Top Box, Video player software, VLC, etc.

## Control

### Full Local Control/Setup

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

### Pro Remote Control

- The system comes with a full-featured Network Management Software, to control unlimited units from remote PCs via common IP connection and SNMP protocol.

## Physical and Power

**Power** - 90 to 240 VAC 50/60 Hz - 28 Watts

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

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

**Dimensions** 490x455x44.5 millimeters  
(19.2 x 17.9 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)

**Mounting** - Rack Mount via provided brackets  
Desktop via provided Rubber Feet

**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

VeCOAX-PRO4-IP



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