



### 4 video channels SD Standard Definition Digital RF Modulator

The **VeCOAX PRO4 AV** is **The #1 Best SD Quality & Price solution** to distribute Standard Definition CVBS/COMPONENT video signals to an unlimited number of Digital Tuner Televisions over the existing Coax Cables, ideal replacement for old analog modulators and perfect alternative to much more complex matrix and extenders. The PRO4 converts Four AV Audio/Video Signals from any CVBS-Composite or RGB-Component Source into Digital RF TV Channels you can inject directly to the coaxial cabling and receive on any Digital TV as regular SD stations on the channel list.

The VeCOAX Video Quality is The Best On the Market, Crystal Clear, Perfect on smallest details & graphics, Same as the original, with 14 bits video precision and 4:4:4 full processing, TBC and DNR, for outstanding quality of vision also on very large screens.

Multiple units also of different models can be connected together at any time to expand the number of channels as you need.

The IPTV SPTS simultaneous streaming output is available as option to watch all programs also over wifi and lan on tablets, computers, mobile devices.

The VeCOAX PRO4 installs in Minutes, Easy, just connect your Video Sources and the Coax out, and comes standard with all the accessories including all the HD Video Cables.

ProVideoInstruments Digital Modulators are deployed in thousands of installations such as Private Homes, Entertainment Systems, Security Systems, Hotels, GYMs, Sports Bars, YMCAs, Corporate Centers, Casinos, Academia, Cruise Liners, Luxury Yachts, Stadiums, Hospitals, Digital Signage, Assisted Living, RVs, Houses of Worship, Fitness Centers and more.

Professional Construction with 5 Years warranty - Made In USA



## Key Benefits



Converts Four Video Signals to Digital TV RF Channels - Watch on ALL TVs via the existing Coax Cables



#1 BEST SD Digital Video Quality & Price on the Market - Broadcast-Grade - Component and Composite



Hi-Performance Video Processing - Real Time distribution to All Your TVs with Perfect Vision and Control

## Application Example

### **VeCOAX** SD Video Distribution to Digital Tuner Televisions Over Coax



## Main Specifications

### Operation

Connect the Input Video Sources	Connect all your A/V video sources, in RGB-component or CVBS Composite and L/R Audio
Set Output Channels	Set the Channel Numbers as you need them to list on your Televisions
Connect your Coax	Connect our Coax output directly to your coax distribution splitter to all your TVs
Scan Your TVs	Find your new channels on all your TVs, added to the channel list as you need
Quick Start Guide	Easy Setup in minutes through the included quick start guide - WEB Browser or Front Panel

Remote Support We offer unlimited Free Tech support to help you to setup your system in minutes

## Video

Video Quality One MPEG Encoding Chip per Each Input - The Very Best SD Quality also on large screens

Picture Details Quality Master-Quality, Broadcast-Grade, outstanding small details & Perfect Motion on Sports

Video Inputs 4X Digital CVBS-Composite + RGB Component software selectable, and L/R Stereo Sound

Input Resolution Auto-Detect - PAL/NTSC - with 4:4:4 Time Base Correction and DNR Dynamic Noise Reduction

VGA input Yes - Connects VGA and L/R audio via optional cable adapter scaler to the RGB + L/R Inputs

DVI input Yes - Connect directly any DVI video and L/R audio to the RGB + L/R Inputs

Bonus Channels Yes - Inject up to 4 additional channels from ASI input via common TS media players / USB

Closed Caption / TXT Yes - all formats

Encoding Modes All Modes - MPEG2 / MPEG4 H264 selectable by software per each channel

ATSC 2.0 Already Compatible with the Newest MPEG4 H264 ATSC 2.0 American Standard

Encoding Bitrates User selectable From 0.5 to 20 Megabits/s per channel - VBR/CBR Stat Mux

Encoding Quality Broadcast-Grade TRIPLE-PASS Motion Estimation with CRYSTAL-VIEW Technology

Encoding Control Video Bitrate, CBR/VBR, Gop, Profiles, Levels

## Audio

Audio Inputs	4X L/R Stereo Audio - one stereo pair per each video input
Audio Format	All Modes as well Analog Surround Sound Compatible

## 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 Yes - 1x Gigabit IPTV streaming output port

Number & Type of Streams 4x 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

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

### **EAS**

EAS GPI Port Available SNMP Module - dry contacts inputs

### **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

## General

Power      Internal Professional Power Supply with power switch - 100-240VAC  
50/60Hz, 65W max

Enclosure Dimensions      1.72" H x 19" W ( rack ears ) x 9.5 D  
43.6 mm H x 482.6 mm W x 240 mm D

System Weight      5.5 lbs (2.5 kg )

Shipping Dimensions  
(individual)      Carton Box 5.2" H x 23" W x 23" D  
132 mm H x 584 mm W x 584mm D

Shipping Weight      9.9 lbs (4.5 kg)

Cooling      Natural Air Circulation and redundant fans

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

The content of this document is subject to revision without notice due to continued progress in methodology, design and manufacturing.

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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

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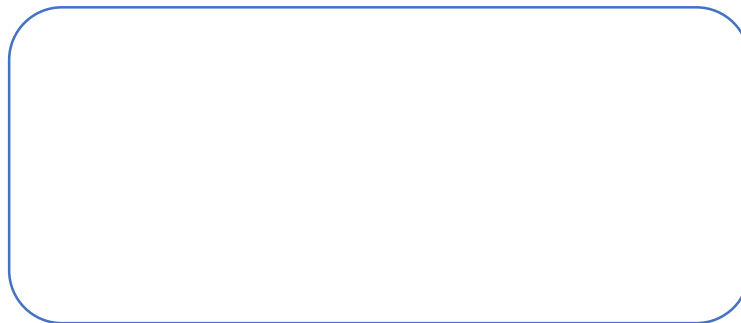


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Our Specialists will reply to you  
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information you need for the  
best and cost-saving results

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