



1 video channel High Definition Digital RF Modulator



The **VeCOAX PRO1 HD** is **The #1 Best HD Quality & Price solution** to distribute HD video signals to an unlimited number of HD Televisions over the existing Coax Cables, ideal replacement for old analog modulators and perfect alternative to much more complex matrix and extenders.

The PRO1 converts One HD High Definition Video Signal into a Digital RF TV Channel you can inject directly to the coaxial cabling and receive on any Digital HD TV as regular HD station on the channel list.

The VeCOAX HD Video Quality is The Best On the Market, Crystal Clear, Perfect on smallest details & graphics, Same as the original, up to 1080P Real FULL HD resolution already supported by the main sports and entertainment channels as well by your televisions and all playback devices, with full digital Sound and Picture.

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 this program also over wifi and lan on tablets, computers, mobile devices.

The VeCOAX PRO1 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 One HD Video Signal to a Digital TV RF Channel - Watch on ALL TVs via the existing Coax Cables



#1 BEST HD Video Quality & Price on the Market - Broadcast-Grade - Real FULL HD up to 1080P @60 F/s



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

Application Example

VeCOAX HD/SD Video Distribution to HD TVs over Coax



Main Specifications

Operation

- Connect the Input Video Sources: Connect all your HDMI or Component or CVBS HD/SD video sources, up to 1080p Full HD
- Set Output Channels: Set the Channel Number as you need it 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 channel 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

HD Video Quality	One MPEG Encoding Chip per Each Input - The Very Best HD Quality up to 1080p FULL HD
Picture Details Quality	Master-Quality, Broadcast-Grade, outstanding small details & Perfect Motion on Sports
Video Inputs	1X HD/SD Audio-Video Inputs, selectable HDMI / COMPONENT / CVBS & digital/analog audio
Input Resolution	Auto-Detect - Up to 1080p FULL HD and full motion @ 60 Frames Per seconds
VGA input	Yes - Connects VGA and L/R audio via optional cable adapter scaler to the HDMI Inputs
DVI input	Yes - Connect directly any DVI video and L/R audio to the HDMI 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 up to 1080i/p
ATSC 2.0 1080p	Already Compatible with the Newest MPEG4 H264 ATSC 2.0 American Standard up to 1080p
Encoding Latency	Broadcast-Grade ultra low delay mode - Real Time Encoding and Distribution over coax
Encoding Bitrates	User selectable From 0.5 to 30 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, Ultra fast encoding modes, 1080P mpeg2 mode

Audio

Audio Inputs	1x software selectable between HDMI digital Embedded or L/R Analog
Audio Format	All Modes as well Digital Multi-channel pass-through
Audio / Video pair	Each Video Input can use either Digital or L/R analog audio in (select by software)
Analog Audio with Digital Video	Yes - can input analog Audio from the L/R ports and combine with the Digital Video Input

Coaxial Output

Standard	Available: USA QAM CABLE - USA ATSC OFF AIR - DVBT/T2 - DVBC/C2 - ISDBTb - DMB-T
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	1x 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

EAS

EAS GPI Port	Optional - IP command control module with dry contacts inputs or SNMP
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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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Get Answers about our Products before you buy. Talk with a knowledgeable Specialist. Monday to Friday 9AM - 7PM EST Time

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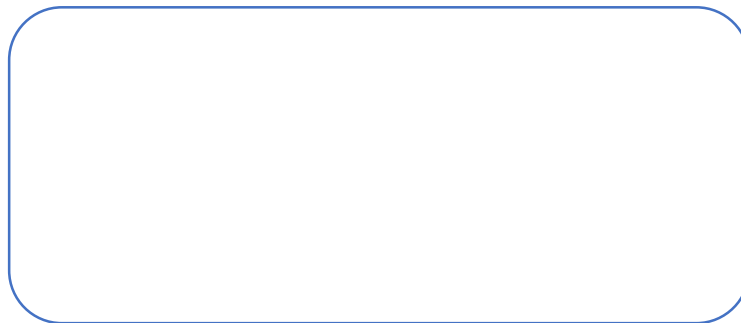


Contact us

Tell us your needs 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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