



ZvBox 150™

HD Video Distribution Made Easy

FEATURES

Share HD sources using existing COAX

A/V INPUTS

- Separate VGA and component video inputs
- Accepts 720 and 480 on component input
- Up to 1680x1050 on VGA
- Coax and optical digital audio connectors

HD MPEG2 ENCODING

- 720p encoding
- Dolby Digital® encoding of PCM inputs, pass-through of encoded audio input
- Digital and visual water-marking for content theft prevention
- Extremely low-latency encoding for interactive applications

RF MODULATION / CHANNEL UPCONVERSION

- Digital cable (QAM) channel inserted onto any empty channel
- Built-in spectrum analyzer scans cable to find empty channels
- User-selectable broadcast channel from 2-141
- Supports STD, HRC or IRC cable standards

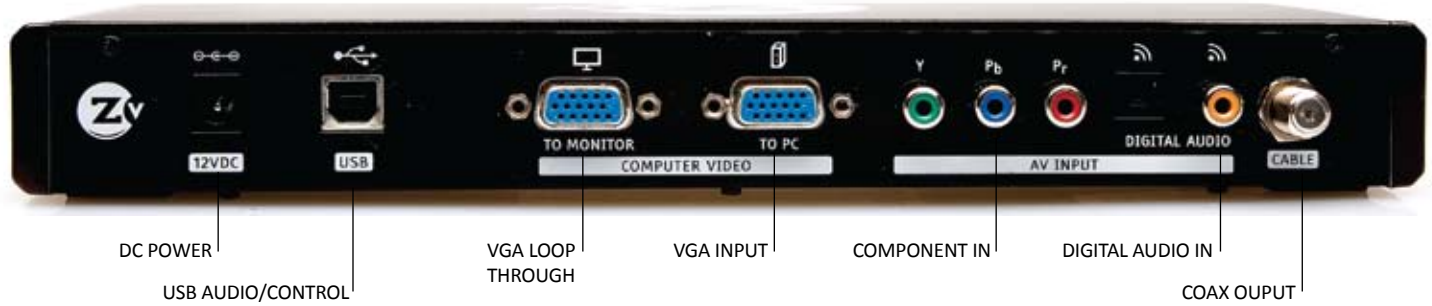
Create a private HDTV cable channel and share a cable box, DVR, DVD player, computer, or any other HD source among multiple HDTVs.



ZvBox 150 front and rear view.

Based on the same encoding and modulation technology used by TV stations and cable companies, **ZvBox 150™** turns the output of any HD source into an HDTV cable channel, and broadcasts it over coax cabling to all connected HDTVs. To view the HD source, simply tune in your new Zv channel at any of the HDTVs. Compatibility with existing coax cabling means ZvBox 150 is ideal for retrofit applications.

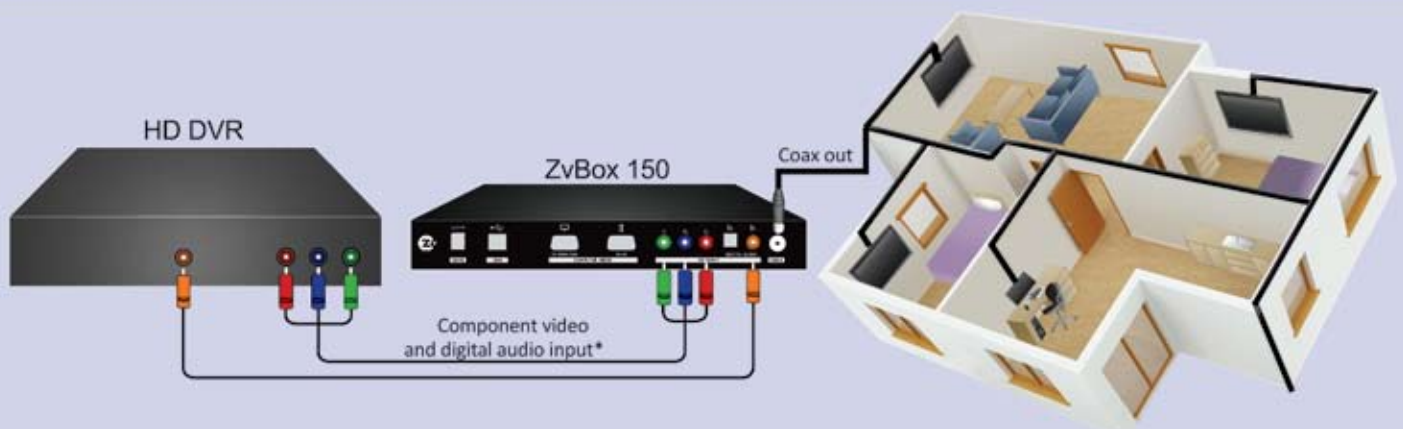
- **Many Applications** – Use ZvBox 150 to:
 - Create a whole-house HD video distribution system
 - Deliver digital signage to multiple displays
 - Create private cable networks for restaurants, bars, and businesses
- **Multiple Channels** – Multiple ZvBox 150s can be combined to distribute many HD channels on-premise, on the same simple to deploy COAX cabling.
- **Simple Installation** – Easily connects to new or existing coax distribution systems. Fast to configure using simple ZvCli commands.
- **Standalone Operation** – Once configured, no computer or Internet connection required.
- **Works with any HD video source** – connect any computer, DVD player, DVR, or any other device with an HD video output to ZvBox 150 and your new HDTV channel pours out onto the COAX wiring.



ZvBox 150™ Specifications

Video Input	Audio Encoder	General
<p>Computer VGA (Analog) HD-15 connector, buffered and looped Resolutions Supported: 640x480, 720x480, 800x600, 1024x768, 1152x864, 1176x664, 1280x720, 1280x768, 1280x800, 1280x960, 1280x1024, 1360x768, 1440x900 at 60,70,72,75, 85 Hz 1680x1050 at 60 Hz</p> <p>Component Video (Y, Pr, Pb) RCA connectors Resolutions Supported: 480p 30, 60 frames per second 720p 30, 60 frames per second</p>	<p>Encoder Audio Profile Dolby Digital® AC-3 ATSC A/52</p> <p>Digital Pass-through Dolby Digital® (AC-3) 1-5.1 channel Linear PCM</p>	<p>Power – 100VAC to 240VAC, 50/60 Hz, <20watts Cooling Convective Stacking not recommended. Mounting – Counter or shelf Enclosure type – Metal Enclosure dimensions 1.38" H x 11.42" W x 4.02" D 35mm H x 290mm W x 102mm D Weight 1.21 lbs (550 grams) Temperature/Humidity Operating +32° to +95°F (0° to +35°C) / 20% to 80%, non-condensing MTBF – 30,000 hours Compliance Safety UL60065 FCC Class B Part number – ZV150-NA Model name – ZvBox 150 Warranty – 1 year</p>
	<p>RF Spectrum Analysis Able to scan all 135 coax cable channels and report the usage of each Analog / Digital or Empty channel STD / HRC / IRC detection</p>	
	<p>Modulator / Upconverter Modulation Types QAM 256 (ITU-T J83 Annex B) Cable Standard HRC, IRC or STD Frequency Range 50 – 900 MHz (channels 2-141) Output Power +25 dBmV typical Output Level Adjust 0 – 20 dB of attenuation in 5dB steps</p>	
<p>Audio Input SPDIF Digital Audio Physical Connections TOSLINK optical, RCA and USB Formats 48K bit PCM AC-3 Pass-through</p>	<p>Control / Setup Command Line Interface - USB</p>	
<p>Video Encoder Encoder Video Profile MPEG2 HD Profile 2: ISO13818-2 MP@HL (1280x720) Video Transport Bit Rate 38.78 Mbps Average Encoding Data Rate 14 Mbps Program Information – Programmable Content Watermarking – Digital and Visual</p>		

Typical Application



*Additional VGA video and USB audio inputs included for optional computer use.