



IP to Video HD/SD Set Top Box Decoder

The **IPDECODER** is a **Universal IPTV HD/SD Receiver Decoder**, perfect solution to receive any IPTV streaming from LAN, WIFI, Internet, Any Format, and output Audio & Video in both HDMI and Analog AV, supporting any Pal & NTSC standards

Typical applications includes IPTV Distribution, Broadcasting, Monitoring, Security and Surveillance, etc.

Made In USA - 5 Years Warranty



Key Benefits

IPTV Universal Receiver Decoder, HD/SD multi-format, All Audio-Video Outputs HDMI, CVBS

Lan & Wifi to connect to any network

Configurable Middleware included, to customize channel lists, logo, and other multimedia services

Main Specifications

IP Streaming Input

IP Input	Receive any standard IP Streaming
Lan Connection	1x RJ45 100 Base-T
WIFI	Optional WIFI plugin adapter available - insert in the rear USB port and receives from the wifi access point
DHCP	Can be operated in DHCP or Static IP
Streaming Formats	RTSP, RTP, UDP, IGMP, HTTP, AUTO
Channel list	Edit CH List file and load on all boxes via USB or load at power on from a local/remote server

Decoder

Video Decoding Formats	HD/SD including 480i 480p 576i 576p 720p 1080i 1080p
Video codecs	MPEG1/2 MP@HL, H.264 HP@level 4.1, MPEG4 part 2 (ASP), WMV-9 (optional), VC1 video, XviD; HD video supporting (up to 40 Mbit/s and above)
Video containers	MKV, MPEG-TS, MPEG-PS, M2TS, VOB, AVI, MOV, MP4, ASF, QT, WMV
Video Decoder Scaling	Can UpScale or Downscale the decoded service to any upper or lower tv resolution a 1080 can be changed into 720 or sd. And SD can be upscaled to 720p or 1080
Video Standard Conversion	A Pal signal can be changed into NTSC and viceversa
Video outputs	Simultaneous HD/SD HDMI embedded, CVBS Composite (an HD is scaled to SD)
Audio codecs	MPEG-1 layer I/II, MPEG-2 layer II, MPEG-2 layer III (mp3), MPEG-2 AAC (optional), MPEG-4 AAC LC 2-ch/5.1ch (optional), MPEG-4 AAC+SBR 2-h/5.1ch (optional), Dolby Digital (optional), DTS (optional)
Audio formats	MP3, MPA, M4A, WMA (optional), Ogg, WAV, AAC
Image formats	JPEG, PNG, BMP, GIF, RAW

Closed Caption /
SubTitles

DVB, SRT, text MKV

File Playback

NAS Servers

Yes, browse and play from all most common NAS Network Hard disks & Servers

USB Pen & Disk

Yes, browse and play from the inserted USB Memory pen or disk

APPS

IP Channel List

List of the IPTV channels with channel names

Select the channel via remote control, up/down, channel number, list of favorites

The list can be programmed on any computer with a text editor, and loaded via a USB pen in the memory of the ipdecoder

The same USB pen can be used to program / clone unlimited ipdecoder boxes

The channel list file can also be placed on a server and loaded automatically at the ipdecoder power on

MEDIA Player

Browse and play Video Files from local network files and usb

- This function can be Hided so it does not show to the final user

Picture Player

Browse and play Picture Files from local network files and usb

- This function can be Hided so it does not show to the final user

YouTube Player

Browse and play YouTube Contents

- This function can be Hided so it does not show to the final user

WEB Browser

Surf the internet websites

Can connect any wired or wireless Keyboard and mouse (not included)

- This function can be Hided so it does not show to the final user

Interfaces

Analog Audio	Analog Audio via mini jack
Digital Audio	Optical SPDIF
Digital Video	HDMI with embedded Audio output
Analog Video	Composite CVBS (HD is scaled automatically to SD)
Wired Network	Ethernet 100 Mb/s
USB	2x USB 2.0
WIFI	Optional Antenna adapter to insert into the rear USB port b/g/n support

Remote Control

Included	Yes
Can control the TV	Yes, Programmable

API

Customization Software	<p><u>The IPdecoder works without the need of any customization, easy.</u> <u>Load stream / channel list with a simple procedure and use</u> <u>No programming skills are required.</u></p> <p>In case of particular custom requirements, we offer an SDK and vod server software / middleware server, which requires advanced linux programming skills</p>
OS Specification	<p>Operating system Linux 2.6.23</p> <p>Built-in Media Portal with WebKit-based IPTV-functionality</p> <p>HTTP 1.1, HTML 4.01 XHTML 1.0/1.1; DOM 1, 2, 3, CSS 1, 2, 3; XML 1.0, XSLT 1.0, XPath 1.0 ; SOAP 1.1;</p> <p>JavaScript ECMA-262, revision 5; Media JavaScript API; C layer SDK</p> <p>DRM option Secure Media Middleware supported</p>

General

Dimensions	5x 3.4 x 1.2 inches (128mm x 88mm x 31mm)
Weight	0.42 Pounds (192g)
Shipping Dimensions	Carton Box size 9 x 6.3 x 2.3 inches (230mm x 160 mm x 60mm) Carton Box Weight 1.33 pounds (600g)
Power	Standard 12 Volts DC power supply 90 - 240 volts AC 50/60Hz Universal World-Wide - Included

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



ProVideoInstruments Corp

1201 Orange St. - Wilmington, Delaware 19899, USA Phone: +1 (302) 669-9077 Skype: provideoinstruments.com
EST Standard Time (NY) Fax: +1 (302) 397-2456 E-Mail info@provideoinstruments.com Web www.pviusa.com