

MPEG4 h.264 AVC compatible Decoder & IPTV Receiver with HDMI/VGA/CVBS-Out



h.264 AVC compatible Decoder & IP Receiver

- Inputs: 1x UHD/HD/SD in h.264 compatible streams like from our Encoders (no MPEG2 support)
- Outputs HDMI, CVBS, VGA in parallel
- Stereo Audio embedded decoding of AAC and MP1L2, external Audio Output (3.5mm Stereo)
- FHD Resolution 1080p, 720p.... no interlaced
- IP Input: RTSP, UDP/RTP, HTTP, HLS, FLV, RTMPs
- Reception of Video Camera UHD/HD streams and other source content over LAN or WAN
- Inserting of Text, Logos and scrolling Text as Overlays
- Video-over IP applications (Signal distribution)
- Digital Signage applications
- Video conferencing, Camera streaming
- IPTV on LAN applications, Corporate IPTV for Broadcasters
- Monitoring up to 4 streams on one TV picture (4xMosaic)
- Remote management by an inbuilt Webserver-Interface

BLANKOM HDD-264 decoder serves the distribution of FullHD and SD TV/Video content through IP networks in digital quality.

The live Video can be received by this decoder as an IP stream and displays it on to standard TV sets. Monitoring of 4 Streams in parallel on 1 TV set by a mosaic feature

BLANKOM HDD-264

IPTV Decoder is designed for TV signal reception in excellent quality over LAN and WAN.

The h.264 compatible compression technology features low-latency and low bit rates for IPTV system reception. The high-efficient decoding chip saves bandwidth cost through all its resolution range.

Reception of SD & HD TV channels through the IPTV/OTT network using state-of-art IP technology from almost any kind of video input.

Either 1 Stream in FullHD or for Monitoring up to 4 streams on one TV output as Mosaic picture can be displayed.

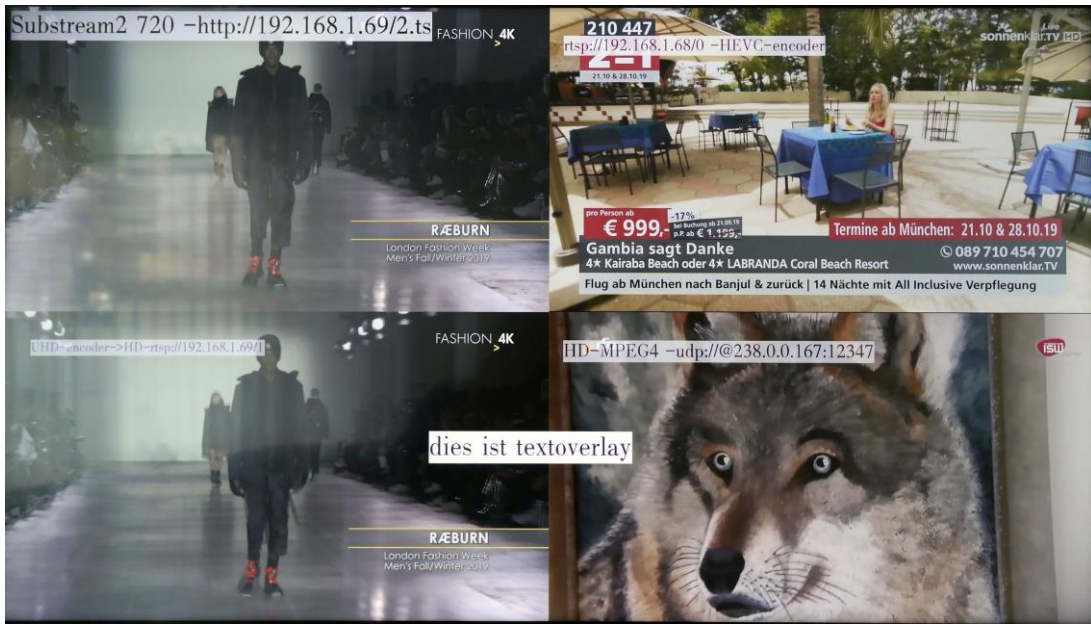
Excellent video and audio quality.

High reliability. Web-Interface.

No regular service and maintenance need during operation.

..Setting Signals!

Application Example



Example output of 4 different encoded streams with Text overlays inserted by the encoders & the decoder



Technical Specifications:

Function	h.264 (MPEG4 compatibel) Decoder and 4 pic Mosaic-viewer
SYSTEM	Embedded HiLinux System, stable and effective, 24/7 stability
INPUT	RJ45 GbEthernet up to 4 Streams (Mosaic), management by web browser, firmware upgrade by web
Protocol	HTTP / HLS / FLV / RTSP / RTMP* / UDP/RTP (Unicast/Multicast)
Data Rates	100 kbps – 32 Mbps per stream*
Resolution max:	1080p60, 720p and below to SD formats
Video Decoder	h.264 (AVC) in max. 1080p60, JPEG/MJPEG CBR or VBR baseline /main /high profile decoding
Audio Decoder	STEREO AAC/AAC+/AAC++/MP3/MP2 G711A&U
Audio sample rates	8000/.../48000Hz
OSD	4 Logo (bmp's with or w/o transparent color) and Text Insertion as transparent overlays
Picture adjust	Brightness, Hue, Saturation, Contrast*
Profiles	H.264/AVC High/Main/Baseline Profile L4.2
Audio output	HDMI embedded Audio in 48KHz (And additional 3.5mm Stereo jack out for CVBS)
HDMI-max out format	1080P@60/1080I@60/1080P@50/1080I@50 1080P30/1080P25/720P60/720P50/576P50&25/480P60 fps etc...
CVBS Output	PAL 720x576 & NTSC 720x480
VGA-Out	1080P@60/1080I@60/1080P@50/1080I@50 1080P30/1080P25/720P60/720P50/576P50/480P60 fps etc...
Maximum decoding Datarate's @ HDMI	1 Picture stream output: 1080@60fps @32mbps
Up to 4 Input streams for Mosaic picture:	1-1080p@60fps bitrate can be up to 32mbps 2-1080p@60fps@10mbps max. for each stream 3-1080p@50fps@10mbps max. for each stream 4-1080p@30fps@20mbps max. for each stream
Relative Humidity	5% to 90% non-condensing
Storage temperature	-20° to 80°C
Operating temperature	-10° to 70°C
Power supply	5-12V DC, 1A
Dimensions	155x120x30mm
Weight	266 g / incl. Package and PSU: 0,7kg
Consumption	5-10W

Companion products:

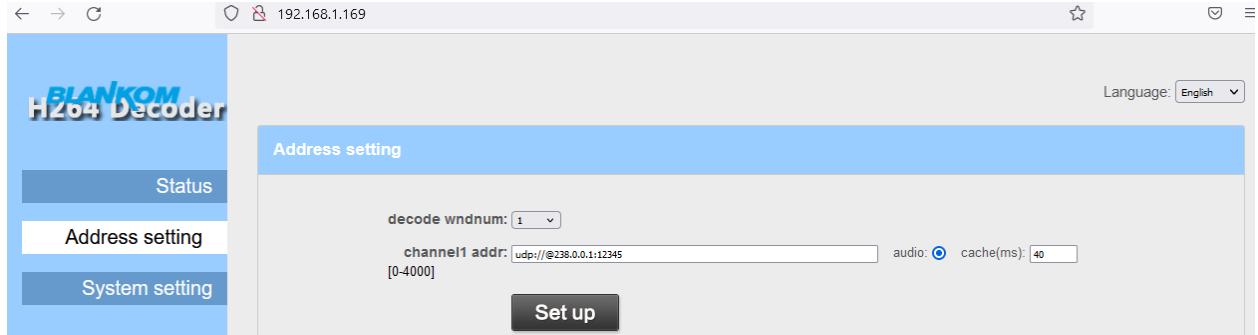
- HDE-275/Q 4x-Encoder 4K/HDMI compatible to IP Streaming
- HDE-264/265 and SDE-265 boxed encoder series
- EMU-Encoder Streamer series
- IGA-4400 / IGA-824 IP Stream Gateways/Converters
- BTR-6000 Transcoder

*) subject to change w/o further notice and depending on versions

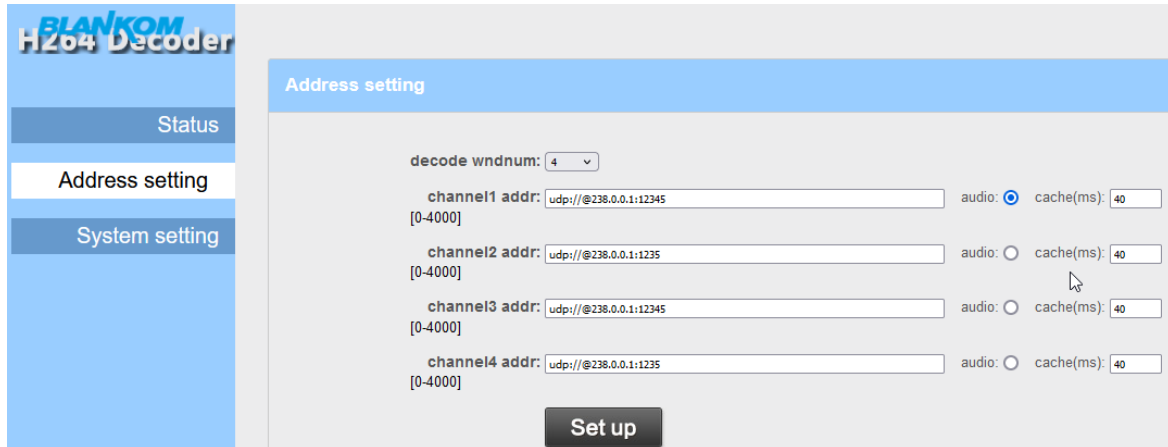
Quickstart:

Default IP address = 192.168.1.169

Please set your computer in the same range, open the webbrowser and insert its address. Than enter admin and admin as Username / PW. And you are in:

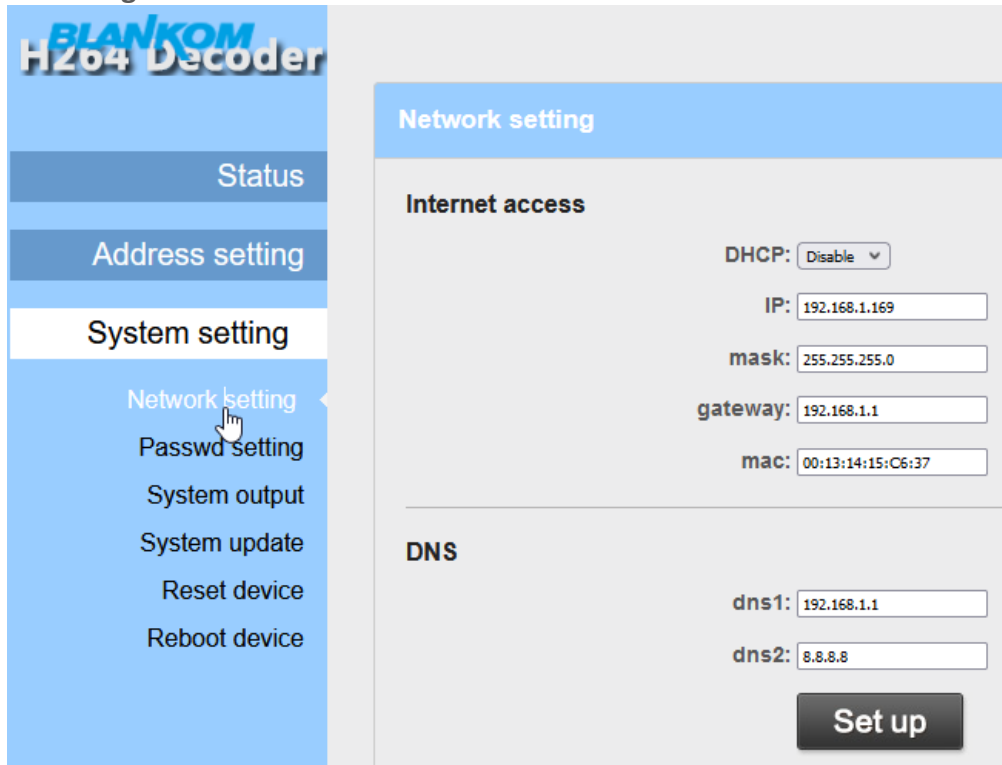


4 streams Mosaic:



Only 1 Audio can be selected to output processing.

IP-Settings:



Output settings:

The screenshot shows the 'System output' configuration page of the BLANKOM H264 Decoder. On the left is a navigation menu with options: Status, Address setting, System setting (highlighted), Network setting, Passwd setting, System output, System update, Reset device, and Reboot device. The main content area is titled 'System output' and contains the following settings:

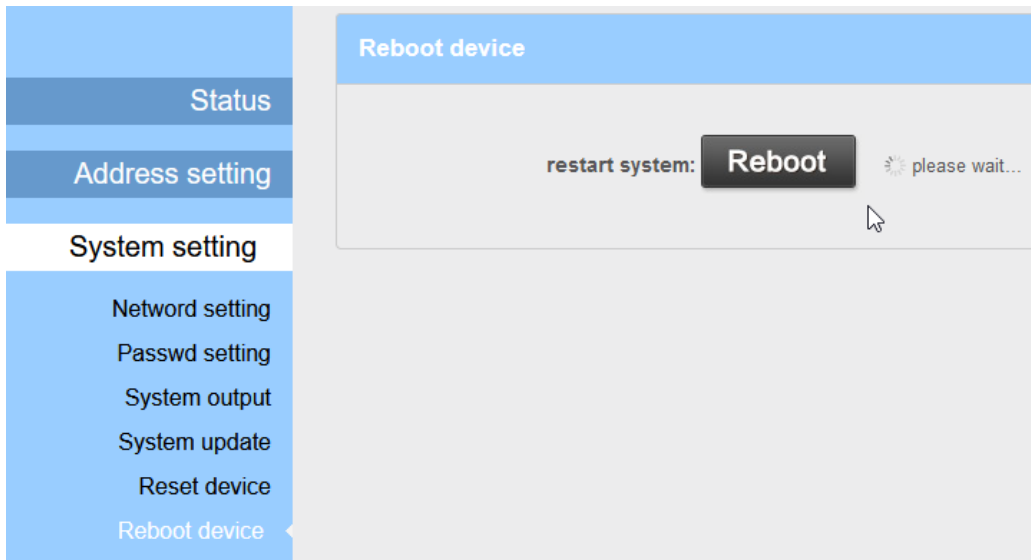
- HD output:** A dropdown menu currently set to '576P50'. A checkbox labeled 'the same as input source' is present.
- CVBS output:** A dropdown menu currently set to '576P50'.
- brightness:** A slider set to 50.
- contrast:** A slider set to 50.
- hue:** A slider set to 50.
- saturation:** A slider set to 50.

A 'Set up' button is located at the bottom of the settings area. Below the main content, there are additional dropdown menus for 'HD output' (set to 576P50) and 'CVBS output' (set to PAL), with a 'brightness' slider also visible.

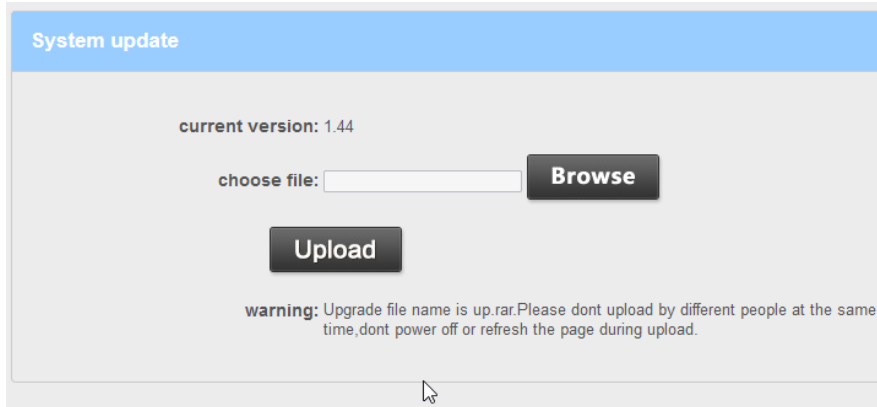
Updating: Select the proper sub-menu and chose the up.rar file for your decoder:

The screenshot shows the 'System update' page. The left navigation menu is the same as in the previous screenshot, with 'System update' highlighted. The main content area is titled 'System update' and displays:

- current version:** 1.30
- choose file:** A progress bar showing 49% completion.
- Upload** button.
- warning:** Upgrade file name is up.rar. Please don't upload by different people at the same time, don't power off or refresh the page during upload.



Then and Now:



Reset: sets it back to factory defaults,
Reboot: do not need to be explained ?