

4Kp60 HDR Decoder & IPTV Receiver with HDMI & CVBS Out



h.265 and h.264 compatible Decoder & IP Receiver with Transcoding feature

- Inputs: 1x UHD/HD/SD in h.264 or h.265 compatible streams like from our SoC boxed Encoders HDE and SDE family
- Outputs HDMI, CVBS in parallel
- Stereo Audio embedded decoding of AC3, AAC and MP1L2, external Audio Output (3.5mm Stereo)
- UHD Resolution max 2160p60, 1080p, 720p....
- IP Input and Transcoding Output Protocols: RTSP/RTP/UDP, UDP/RTP, HTTP, adaptive HLS, FLV, RTMP(s), SRT
- MPTS Input with Program selection for decoding
- Reception of Video Camera UHD/HD streams and other source content over LAN or WAN, ONVIF detection support
- 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
- UHD/HD Transcoding in HD, Upscaling to HDMI out
- Remote management by an inbuilt Webserver-Interface

The BLANKOM HDD-276 decoder serves the distribution of Full-HD and UHD 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. Remote configuration by Web-Interface for perfect handling in Digital Signage networks.

BLANKOM HDD-276

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

The h.265 (HEVC) and h.264 compatible codec technology featuring low-latency and low bit rates for IPTV system and Digital Signage reception. The high-efficient decoding chip saves bandwidth cost through all its resolution range.

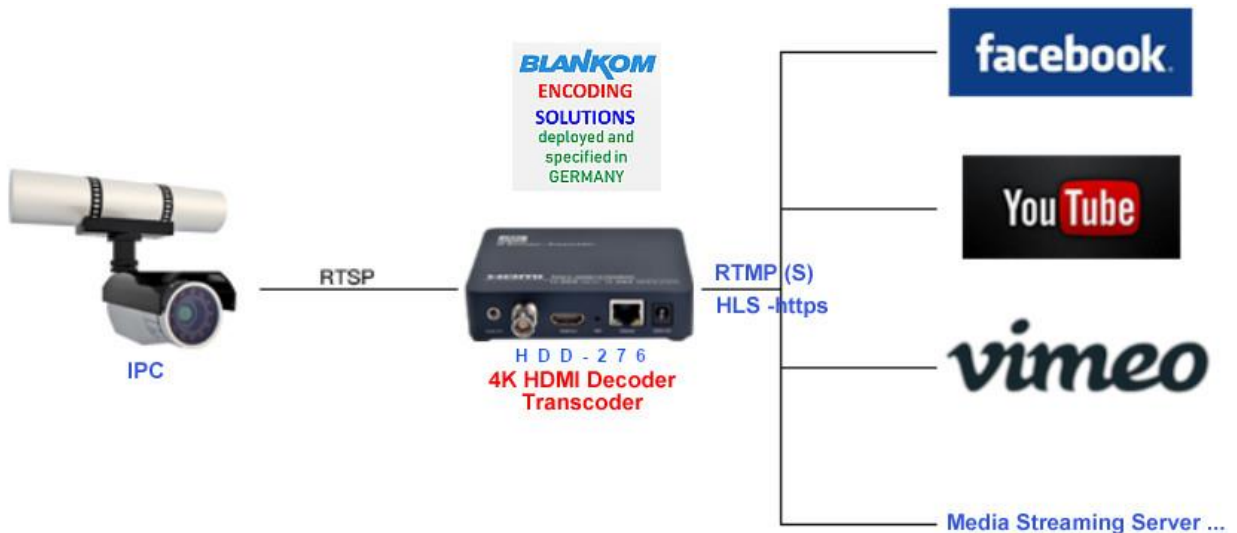
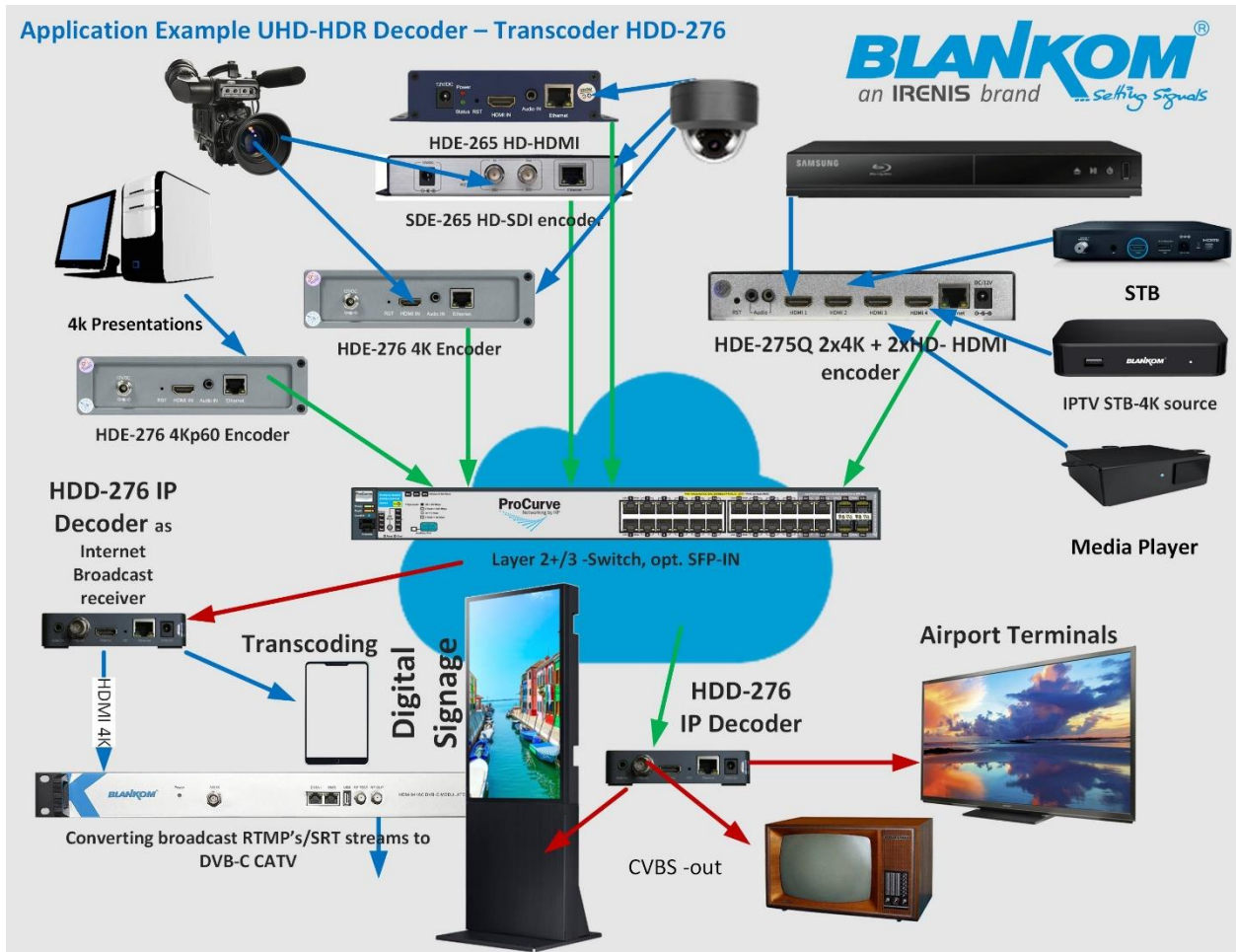
Reception of SD, HD and UHD HDR Video streams through the IPTV/OTT network using state-of-art IP technology from almost any kind of video input.

Transcoding the Input stream by keeping or changing codec to HD. Upscaling to HDMI output supported.

Excellent Video and Audio quality. High reliability. Web-Interface.

No regular service and maintenance need during operation.

Application Example



Technical Specifications:

Function	4Kp60 h.265 (HEVC compatible) and h.264 (MPEG4 compatible) Decoder with HDR support
SYSTEM	Embedded HiLinux System, stable and effective, 7 x 24h
INPUT	RJ45 GbEthernet, IPTV in SPTS and MPTS (service selection) supported, management by web browser, firmware upgrade by Web-IF
Protocol	Unicast: HTTP / adaptive HLS / FLV / RTSP/UDP / RTMP(s) / SRT: push & passphrase Multicast: UDP/RTP
Data Rates	100 kbps – 32 Mbps per stream
Resolution max:	2160p60, 1080p60, 720p and below ...
Video Decoder	h.265 (HEVC) or h.264 (AVC) in max. 4K@60fps HDR support: Dolby, HDR10, HLG, Auto CBR or VBR baseline /main /high profile
Audio Decoder	STEREO AAC/AAC+/AAC++/MP3/MP2/AC3 G711
Audio sample rates	8000/11250/22500/44100/48000Hz dep. on input codec
OSD	4 Logo (bmp's with or w/o transparent colour) and Text Insertion as transparent overlays
Picture adjust	Brightness, Hue, Saturation, Contrast
Profiles	H.264/AVC High/Main/Baseline Profile H.265/HEVC main profile MJPEG/JPEG baseline
Audio output	HDMI embedded Audio (additional 2.5mm Stereo jack out)
HDMI-max out format	3840*2160P@60/1440P@30/1080P@60/1080I@60/1080P@50/1080I@50 1080P30/1080P25/720P60/720P50/576P50/480P60 fps
CVBS Output	PAL 720x576 or NTSC 720x480
Transcoded Stream	maximum output format = 1080p@60fps
Maximum decoding Data Rate @ HDMI	1 Picture stream output: 4k@60fps @32mbps
Relative Humidity	5% to 90% non-condensing
Storage temperature	-20° to 80°C
Operating temperature	-10° to 70°C
Power supply	5-12V DC, 2A
Dimensions	105 x 100 x 24mm
Weight	240 g / incl. Package and PSU: 0,7kg
Consumption	< 5W

Companion products:

- HDE-275/Q 4x-Encoder 4K/HDMI compatible to IP Streaming
- HDE- 276/275, HDE-264/265 and SDE-265 boxed encoder series
- EMU-Encoder Streamer series
- IGA-4400 / IGA-824 IP Stream Gateways/Converters
- BTR-6000 Transcoder
- IGS-900/924/700 DVB-IP Gateways