

## UHD-Encoder & IPTV Streamer with HDMI Input



### h.264 compatible 4K UHD encoder & IP streamer combined

- ✓ HDMI compatible input for encoding and recording to SD Card
- ✓ Stereo Audio embedded processing from HDMI-comp. Input
- ✓ HD Resolution 2160p30, 1080p, 720p. ...
- ✓ GbE IP output: RTSP, RTMPs, UDP/RTP, HTTP, HLS, FLV, **MJPG, SRT**
- ✓ Distribution of Video Camera U(HD) and other sources content over LAN, WAN or internet.
- ✓ 4 simultaneous and independent Live stream broadcast encoder engines to multiple destinations (2x 4K, 2x HD downscaled)
- ✓ Video-over IP applications, Digital Signage
- ✓ IPTV/OTT applications
- ✓ Video conferencing, Camera streaming
- ✓ IPTV on LAN applications, Corporate IPTV for Broadcastings
- ✓ UHD, HD and SD video encoding (incl. 1080p)
- ✓ Corresponding product: BLANKOM IPTV-STB 7500+ (UHD), 6700+

*BLANKOM HDE-4K4 encoder serves the distribution of SD/HD and UHD TV/video content through IP networks in digital quality.*

*The live video can be received by Internet media server by TV sets with IPTV Set-Top Boxes, on PC's and tablets with VLC Player.*

### BLANKOM HDE-4K4

**IPTV encoder is designed for TV signal distribution in excellent quality over LAN and INTERNET.**

**The h.264 compression technology features low-latency and low bit rates for IPTV/OTT systems. The high-efficient encoding chips saves bandwidth cost through all its resolution range.**

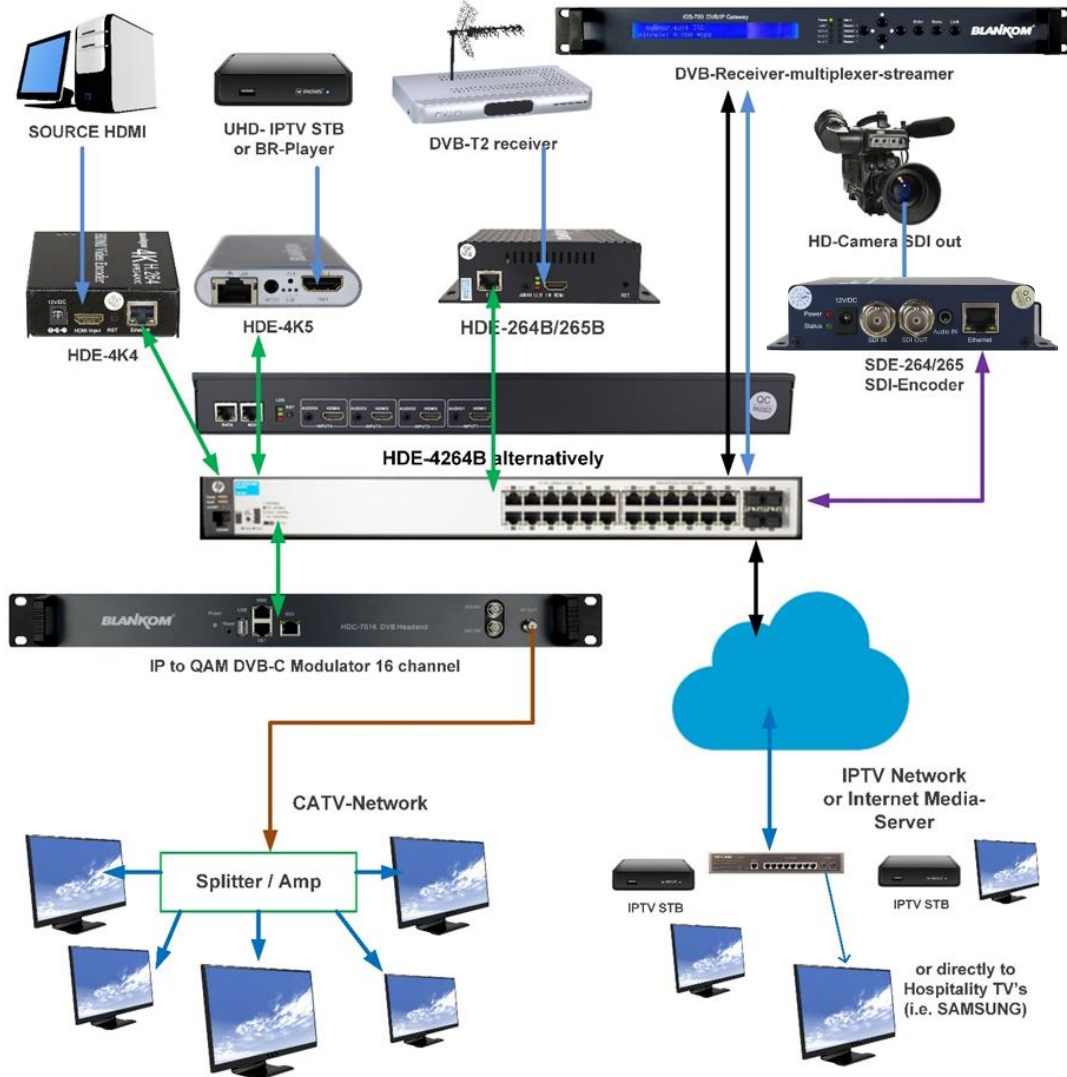
**Distribution of SD up to UHD TV channels through the IPTV/OTT network using state-of-art IP technology from almost any kind of video input.**

**Excellent video and audio quality. Text and Logo as overlays adding to the streams.**

**High reliability. No regular service and maintenance need during operation.**

# Application Example

Multiple Encodings to IPTV and CATV



Function	h.264 compatible Encoder and IP Streamer
INPUT	HDMI compatible input
Resolution	2160p30, 1080p, 720p and below
Audio	Embedded from HDMI signal
Video encoder	h.264 (AVC)
Audio encoder	AAC (+,++), MP1L2 stereo, MP3, AC3 stereo compatible
Audio Bit-rate:	Bit-rate: 32k/48k/96k/128k/160k/192k, Data-rate: 64 kbps-384 kbps dep. on codec
SYSTEM	4 independent output streams (1x Main and 3x Secondary)
Data interface	RJ45, 1000Mb/s Ethernet interface, management by web browser
Protocol	HTTP, RTSP, RTMPs, UDP/RTP, FLV, HLS, MJPG, SRT ; unicast/multicast
Data Rate	32 kbps – 32 Mbps (dep. on sampling rate chosen)
Encoding bitrate process	VBR, CBR enables added Zero-PID for DVB compatibility (factors selectable)
ONVIF 2.x	Supported by RTSP: G711A
Picture adjust	De-interlacing, Noise reduction, Sharpening, Filter
OSD	4 Logo and Text Insertion as transparent overlays
Power supply	Wide range 110V-230 VAC 50/60Hz -> 12V DC, 2A
Dimensions	105 x 85 x 30mm (w/o ext. PSU)
Weight	0.3 kg
Consumption	5 – 10 W dep. on how many encodings in parallel are configured