BLANKOM
an IRENIS brand ...setting signals

Encoder & IPTV Streamer with HDMI Input

ULTRA HD 4K | **Full HD 1080** | **H.265 HEVC**

h.265 and h.264 compatible 4K UHD encoder & IP streamer combined and RECORDER

- ✓ HDMI compatible input for encoding & recording to SDcard/USB
- ✓ Stereo Audio embedded or external Input (3.5mm stereo)
- ✓ HD Resolution 2160p30, 1080p, 1080i, 720p. ...
- ✓ GbE IP output: RTSP, RTMPs, UDP/RTP, HTTP, HLS, FLV, **SRT**
- ✓ Distribution of Video Camera U(HD) and other sources content over LAN, WAN or internet.
- ✓ 4 simultaneously and independent Live stream broadcast encoder engines to multiple destinations
- ✓ 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) downscaling
- ✓ Corresponding product: BLANKOM IPTV-STB 7500+ (UHD)

*BLANKOM HDE-275 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,
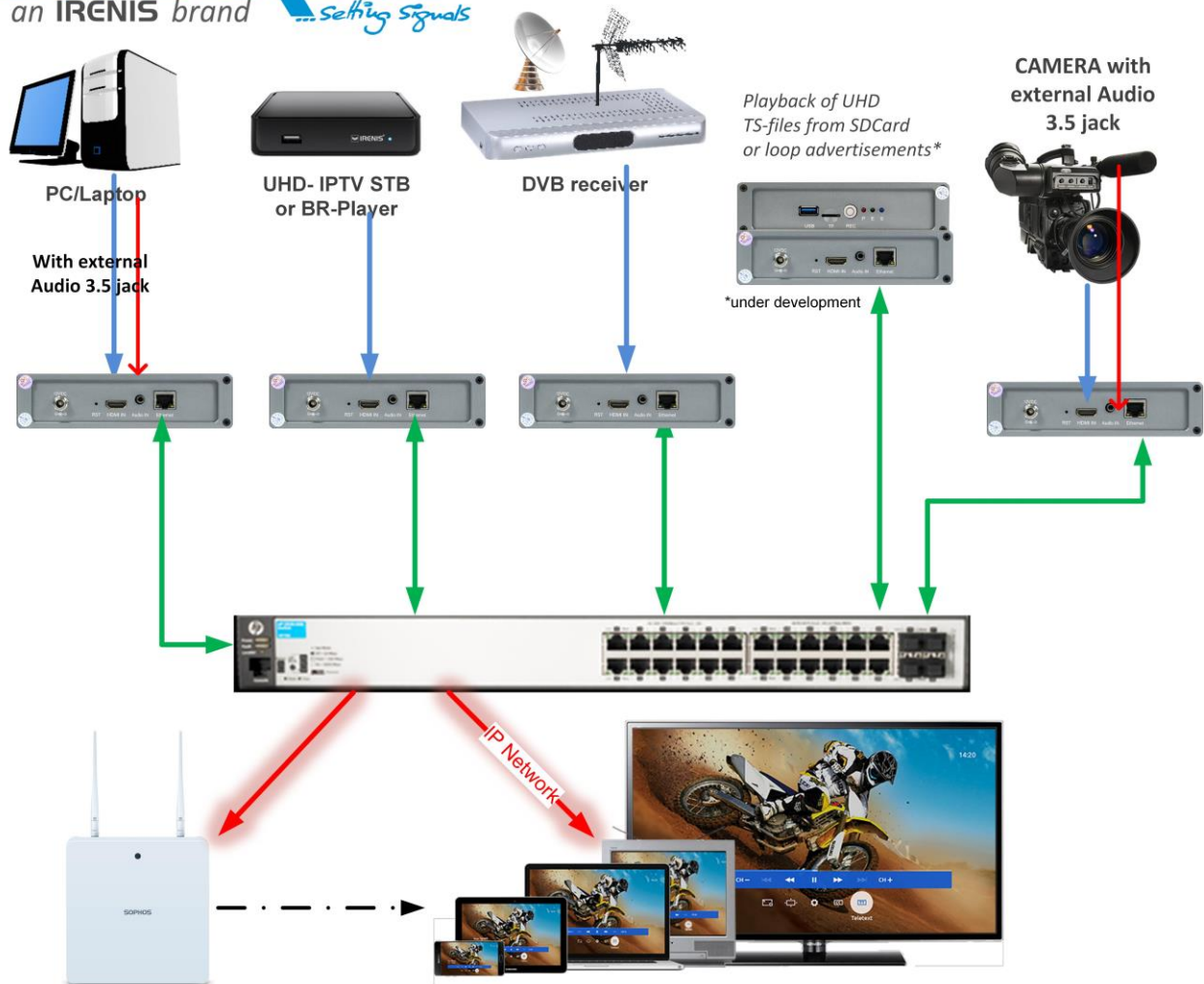on PC's and tablets with VLC Player.*

BLANKOM HDE-275

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

The h.264 and h.265 (HEVC) compatible 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.

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

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BLANKOM®
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Connection examples HDE-275

PC/Laptop

With external
Audio 3.5 jack

UHD- IPTV STB
or BR-Player

DVB receiver

Playback of UHD
TS-files from SDCard
or loop advertisements*

*under development

CAMERA with
external Audio
3.5 jack

IP Network

SOPHOS

Function	h.265 (HEVC) and h.264 compatible Encoder and IP Streamer
INPUT	HDMI compatible input
Resolution	2160p30, 1080p, 1080i, 720p and below
Audio	Embedded from HDMI signal or optional Stereo Input by 3.5mm jack
Video encoder	h.265 (HEVC) or h.264 (AVC) compatible , MJPG
Audio encoder	AAC (normal, +,++), MP3, MP1L2, AC3 stereo compatible
Audio Bit-rate:	Bit-rate: 32k/48k/96k/128k/160k/192k, Data-rate: 64 kbps-384 kbps
SYSTEM	4 independent output streams (Main and 3 Secondary)
Data interface	RJ45, 1000Mb/s Ethernet interface, management by web browser, NTP support
Protocol	HTTP, RTSP, RTMPs, UDP/RTP, FLV, HLS, SRT ; unicast/multicast ; Rec.= SAMBA support
Data Rate	32 kbps – 32 Mbps (dep. on sampling rate chosen)
Encoding bitrate process	CBR/VBR
GOP Modes	NormalP, DualP,SmartP, BIPREDP
ONVIF 2.x	Supported by RTSP: G711A
Picture adjust	De-interlacing, Noise reduction, Sharpening, Filter& Aspect Ratio setting
OSD	4 Logo and Text Insertion as transparent overlays
Recording to TFcard/USB	TS-files to Micro-SD-Card or USB penkey (high speed versions recommended) Supported Filesystems: FAT32 (FAT (16/32) are limited – check filesize limits)
Power supply	External 100...240VAC to 12V DC, 1-2A, Euro-plug to 5.1 DC Jack
Dimensions	160 x 115 x 40mm
Weight	0.4 kg
Consumption	5W