BLANKOM
an IRENIS brand ...setting signals

4Kp60 Encoder & IPTV Streamer with HDMI Input

h.265 and h.264 compatible 4Kp60 UHD HDR encoder & IP streamer combined with RECORDING function

- ✓ HDMI compatible input for encoding and recording to USB or SD Card: to USB 3.0/TFcard in NTFS/exFAT/FAT32 format, with SAMBA server built-in
- ✓ Stereo Audio embedded or external Input (3.5mm stereo) / out
- ✓ HD Resolution 2160p60, 1080p, 1080i, 720p. ... HDR 10bit with h.265 Main10 Profile, BT.2020 WCG
- ✓ GbE IP output: RTSP, RTMP(s), UDP/RTP, HTTP, HLS, FLV, MJPG, 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 (2x UHD + 2x FHD par. Encoding)
- ✓ Video-over IP applications, Digital Signage, NVR, Hotel Info-channel
- ✓ IPTV/OTT applications, Video conferencing, Camera streaming
- ✓ IPTV on LAN applications, Corporate IPTV for Broadcastings
- ✓ UHD,HD and SD video encoding and downscaling
- ✓ Corresponding product: BLANKOM IPTV-STB 6700+ (UHD)
- ✓ Motion JPEG encoding and SRT streaming protocol support

BLANKOM HDE-276 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-276

IPTV encoder is designed for TV signal distribution in excellent quality over LAN and INTERNET.
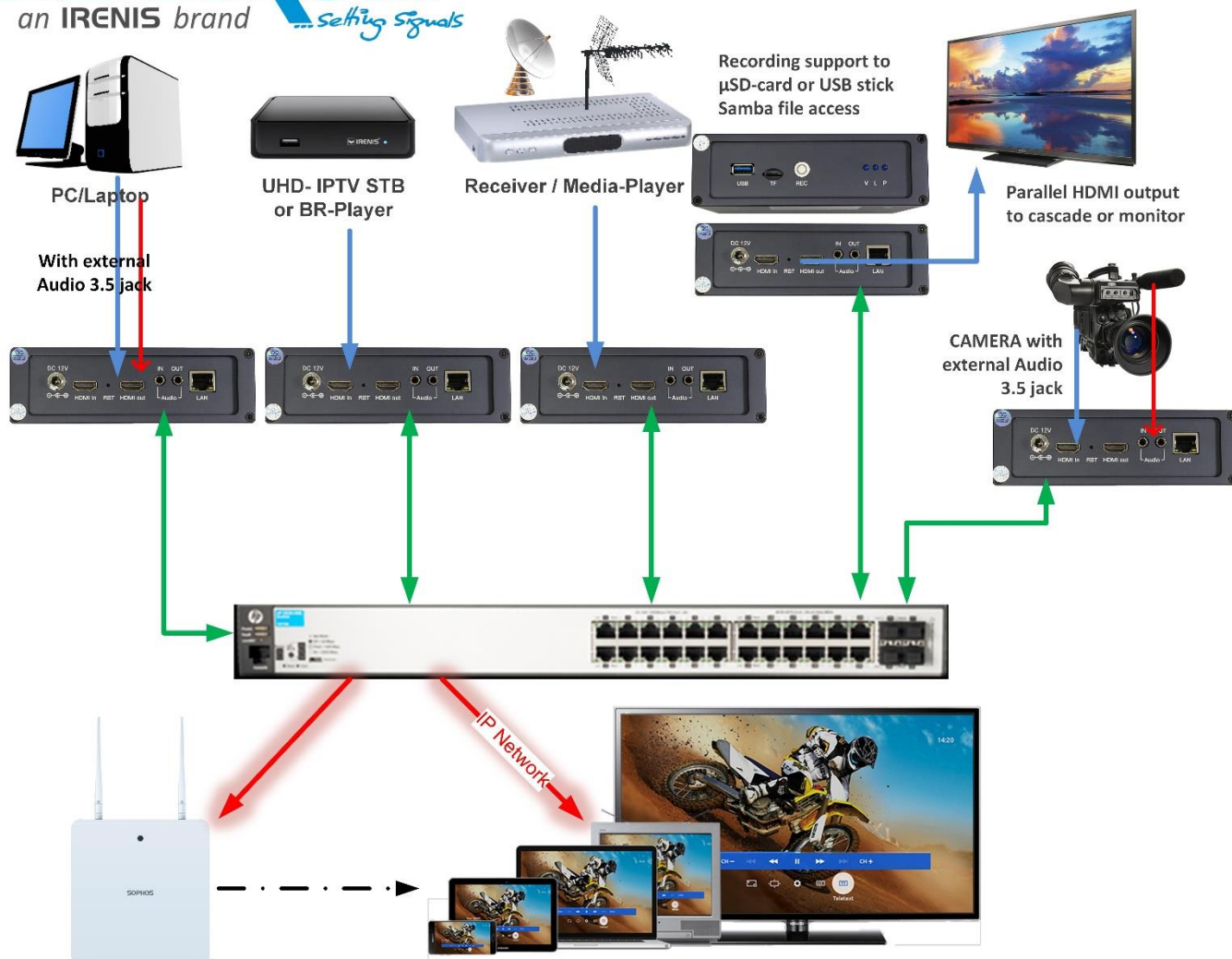
The h.264 and h.265 (HEVC) compatible compression technology features low-latency and low bit rates for IPTV/OTT systems. The high-efficient encoding chips saves bandwidth cost through all its resolution range.

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.

info@blankom.de   **www.blankom.de**

BLANKOM®
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PC/Laptop

With external
Audio 3.5 jack

UHD- IPTV STB
or BR-Player

Receiver / Media-Player

Recording support to
µSD-card or USB stick
Samba file access

Parallel HDMI output
to cascade or monitor

CAMERA with
external Audio
3.5 jack

IP Network

Function	h.265 (HEVC) and h.264 compatible Encoder and IP Streamer		
INPUT	HDMI compatible input and loop through HDMI output		
Resolution	2160p60...2560x1440@144fps , 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, 0.1...100 Mbps, 5-144 FPs, VBR/CBR		
Audio encoder	AAC *(normal, +,++)*, MP3, MP1L2, AC3 stereo compatible, 44.1kHz/48kHz		
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(s), RTSP, RTMPs, UDP/RTP, FLV, HLS, SRT ; unicast/multicast -> REC enables SAMBA		
Data Rate	32 kbps – 32 Mbps (dep. on sampling rate chosen)		
Encoding bitrate process	CBR/VBR		
EDID/ GAMMUT Modes	BT2020, BT709, BT601		
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 USB/SDcard	TS-files to Micro-SD-Card or USB penkey *(high speed versions recommended)* Supported Filesystems: FAT32 (FAT (16/32) are limited – check file size limits)		
Power supply	External 100...240VAC 50/60Hz to 12V DC, 2-3A, Euro-plug to 5.1 DC Jack		
Dimensions	150 x 110 x 45mm	**Operating temperature**	-10 ... 70 °C
Weight	0.5 kg	**Storage temperature**	-20 ... 80 °C
Consumption	10W	**Relative Humidity**	5%-90% non-condensing