

## 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/TF card 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**
- ✓ 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**

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

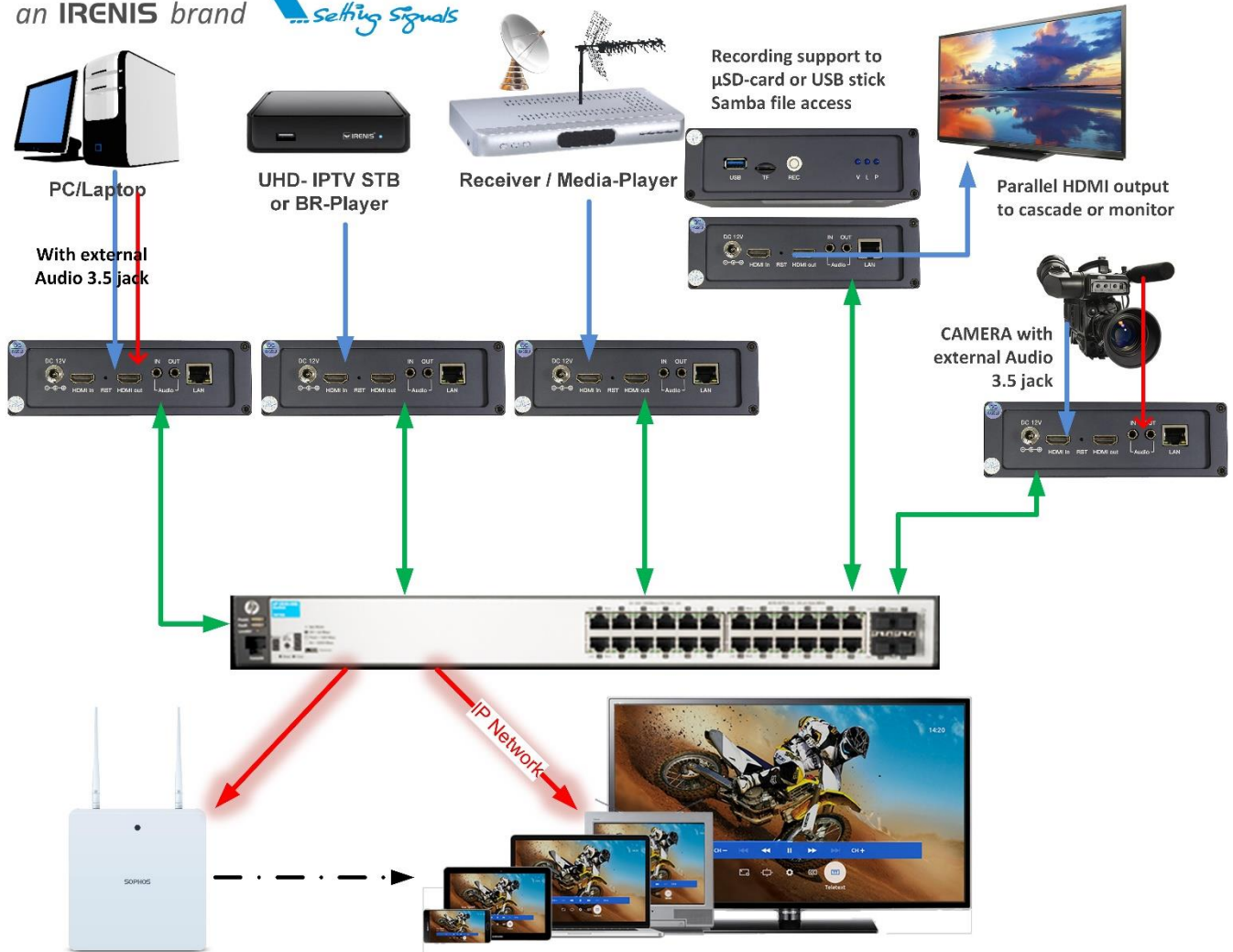
**The h.264 and h.265 (HEVC) compatible compression technology features low-latency and low bit rates for IPTV/OTT systems. The high-efficient encoding chips saves bandwidth cost through all its resolution range.**

**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.**

***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.***



|                          |  |                       |                       |
|--------------------------|--|-----------------------|-----------------------|
| Function                 | h.265 (HEVC) and h.264 compatible Encoder and IP Streamer  |                       |                       |
| INPUT                    | HDMI compatible input and loptthrough 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 ( <i>high speed versions recommended</i> )<br>Supported Filesystems: FAT32 (FAT (16/32) are limited – check filesize 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 |