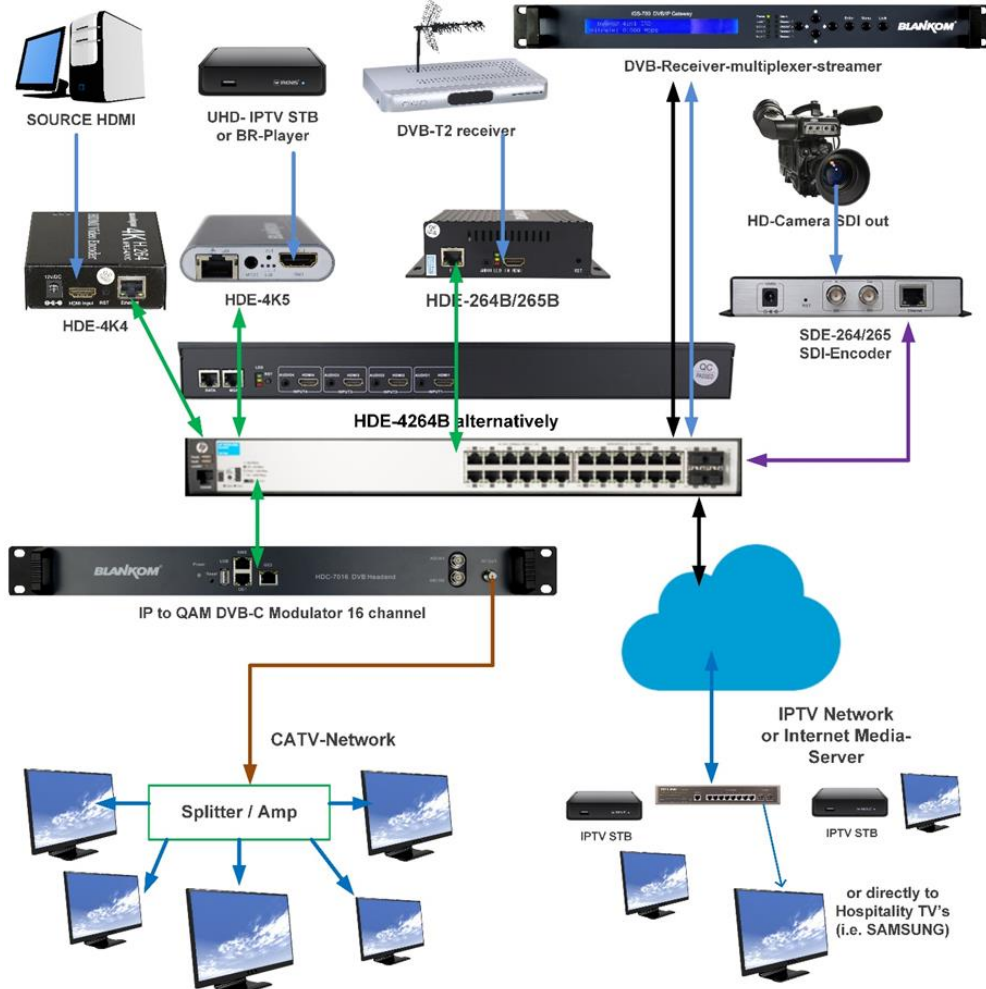


Single- & 4x Encoder ver. B



Application Example

Multiple Encodings to IPTV and CATV



BLANKOM HDE- Encoder series with h.264 and h.265 compression codecs are available in different format and sizes.

Inputs can be selected as SDI BNC Types (SDE-Versions) or compatible with HDMI connectors (HDE). Please ask us before ordering.

These tiny and cost effective encoder series allows operators to upstream Video/Audio content to live internet media servers in two different stream formats and resolutions by using even different codecs (*depending on model chosen*) as well as proceeding multicast streams to a closed network environment like Hospitality IPTV networks to add information channels or advertisement content into their channel line-up. Overlay features can add own logo- and text creations to the encoded Video streams.

The uni- and multicast streams can be assigned with DVB-conform table content to allow the integration into multiplexes of IP to DVB-Modulators. The easy configuration is designed by a simple Web-interface application compatible with nearly every browser.

Technical specifications:

INPUT

- One HDMI compatible input connector (HDE-4264 = 4 Inputs)
- Input Resolution 2160p (UHD Versions only), 1080p, 1080i, 720p and below
- Embedded audio from HDMI signal or optional Stereo Input by 3.5mm jack

OUTPUT

- Simultaneous 2 different streams output per channel (Mainstream and 1 Substream) per input
- Video data rate 0.1 Mbps ... 32 Mbps
- Output Resolution 2160p (UHD Versions only), 1080p, 1080i, 720p and below (max. 2160p@30/60 fps depending on model or 1080p@30/60 fps on main stream)
- Main Stream output resolution support: 3840×2160(UHD Versions only), 1920×1080, 1680×1056, 1280×720, 1024×576, 850×480, 720×576, 720×540, 720×480, 720×404, 704×576, 640×480, 640×360, 608×448, 544×480, 480×480, 480×384, 480×360, 480×320, 480×272, 480×270, 400×320, 400×224, 352×480, 352×228, 320×256, 320×240, 320×180, 240×180, 176×144.
- Latency: 200ms ... > 1500ms max., depending on configuration, load and model

SYSTEM

- HiLinux OS
- Unicast/Multicast HTTP, RTSP, RTMP, UDP/RTP, HLS, (FLV), ONVIF (RTSP Mode G711)
- HD Video encoder h.264 (MPEG-4, AVC) and h.265 HEVC (only HDE-265B supporting both)
- base/main/high profile Level 4.0 selectable
UHD 4K max. 30/60fps (HDE-4K5 / -4K4 only -> see separate flyer)
- Audio encoder AAC, MP3
- Data interface RJ45, 1000 Base-T Ethernet interface, Management by web browser
- Encoding Rate control CBR/VBR
- GOP Structure IBBP Adv.
- Pre-treatment De-interlacing, Noise reduction, Sharpening, Y-C adjustments
- Sampling rate Auto (44100/48000)
- Audio Bit-rate 48K/64K/96K/128K/160K/192K
- Audio Sampling precision up to 24 bit
- Audio Data Rate 12 kbps ... 320 kbps 40000... max. 640000 depending on used Codecs
- User interface: WEB GUI
- 2 different Logo (as *.bmp file) and Text insertion feature on main stream & on secondary
- Firmware upgrade support by WebIF

GENERAL (HDE-264B/265B)

- DC 12V max 2A external desktop power adapter
- Dimensions: 148 x 102 x 41mm
- Weight: 303g + ext. PSU 134g
- Power consumption: 6-10W

HDE-4264B: 3000g, 1RU, 19", PSU internal

Please check: www.blankom.de

Price- and delivery information's: info@blankom.de

Ordering Guide:

HDE-264B h.264 MPEG4 encoder, HD 1080p & 720p 2 IP Stream output, Multicast & Unicast, HLS, RTMP

HDE-265B h.265/h.264 MPEG4/HEVC encoder, HD 1080p & 720p 2 IP Stream output, Multicast & Unicast, HLS, RTMP

Available as **19" 4x Input to 2x4 Stream** outputs:

HDE-4264B & HDE-4265B

Available as **19" 4RU with dual PSU** and modular design 8...16 modules to be installed:

HDE-16264B/16265B

HD-SDI Versions upon request (Product names: SDE-....B)