

K Full HD HDMI Encoder & IP Streamer

- ❑ HDMI input · 1080p60
- ❑ H.264 / MJPEG
- ❑ 2 independent IP streams
- ❑ RTMP/RTMPS & multicast

Product Overview

Take **HDMI camera, PC and presentation feeds directly onto IP networks**. The BLANKOM HDE-264 combines Full HD hardware encoding and streaming in a compact unit for broadcast, corporate AV and live events.

Encode up to **1080p60** and create **two independent IP streams** from one HDMI source. Tailor the main and secondary stream to different resolutions, bitrates and destinations for LAN distribution and online delivery.



Encoder & Streamer



BLANKOM

BLANKOM HDE-264 · compact HDMI-to-IP encoder

Key Features

- ✓ **Direct HDMI acquisition.** Connect a camera, media player or PC and encode its video and embedded audio.
- ✓ **Efficient video compression.** H.264/AVC and MJPEG/JPEG support for compatible players and IP receivers.
- ✓ **Two configurable streams.** Main stream up to 1080p60; one secondary stream up to 720p.
- ✓ **Flexible IP delivery.** RTMP/RTMPS, RTSP, HTTP, HLS, FLV and UDP/RTP unicast/multicast.
- ✓ **HDMI embedded audio.** Carry source audio with the video; select the audio codec, bitrate and gain.
- ✓ **Stream branding.** Insert logos and text on both streams for programme identification and branding.
- ✓ **Browser-based operation.** Set encoding and network parameters remotely; update firmware over Ethernet.

Applications

Live streaming & contribution

Send HDMI camera or switcher feeds to compatible remote decoders and streaming servers.

Corporate & campus IPTV

Distribute meetings, lectures and local programmes to network-connected receivers.

Hospitality & digital signage

Add media-player and HDMI sources and branded information to managed IPTV installations.

Online streaming & OTT

Feed supported live platforms or a CDN, with stream settings matched to each destination.

ONE SOURCE, TWO STREAM PROFILES

Use a Full HD main stream alongside a lower-resolution secondary stream for another destination.

Connections & Signal Access

1080p Encoder & Streamer



- 12 V DC** — external power adapter
- HDMI IN** — video and embedded audio
- Ethernet** — 100 Mbps IP and management
- Indicators / RST** — power, status and reset

HDMI connection side

BLANKOM product photograph; panel markings may vary by hardware revision.

INPUTS & VIDEO ENCODING		NETWORK & MANAGEMENT	
HDMI input	1 × HDMI	Ethernet	1 × RJ45, 100 Mbps Ethernet
Input formats	1080p up to 60 fps; 1080i, 720p and SD	Protocols	HTTP, HLS, FLV, RTSP, RTMP/RTMPS, UDP/RTP
Video codecs	H.264/AVC High/Main/Baseline; MJPEG/JPEG baseline	Delivery modes	Unicast / multicast
IP streams	1 main + 1 secondary stream	Integration	ONVIF; VLC / FFmpeg modes
Main stream	Up to 1920 × 1080 at 60 fps	OSD	Logo (BMP) and text insertion on main and secondary streams
Secondary stream	Up to 1280 × 720	Management	Web browser GUI over Ethernet
Video bitrate	0.1-32 Mbps	Firmware	Network firmware upgrade
Frame rate	5-60 fps, format dependent	Operating system	Embedded HiLinux
Rate control / GOP	CBR / VBR; IBBP	Source detection	Automatic HDMI input detection
Image processing	De-interlacing, noise reduction, sharpening		
AUDIO		POWER & PHYSICAL	
Sources	Embedded digital audio from HDMI	DC input	12 V DC, 1 A
Audio adjustment	Digital gain control	Consumption	6 W
Codecs	AAC / AAC+ / AAC++, MP3, MP2, AC-3, G.711	Dimensions	170 × 130 × 30 mm
Sampling	44.1 / 48 kHz	Weight	Approx. 300 g
Audio bitrate	12-640 kbps, codec dependent	Form factor	Compact standalone enclosure

Selection & Configuration

Order HDE-264 for a single HDMI source with embedded audio and two IP streams. Specify source timing, receiving codec, protocols and target bitrates. Match H.264 profiles and audio settings to the decoder or streaming service. Allow network capacity for the combined output streams.

For HEVC, SRT or a local HDMI loop output, select HDE-265L. For 4K acquisition, select a suitable BLANKOM UHD encoder. Physical data refer to the current published HDE-264 specification.

Specifications are subject to change without prior notice.