

K VGA Encoder & IP Streamer

- VGA · 1920 × 1200p60
- H.265 / H.264 / MJPEG
- 4 independent IP streams
- SRT & RTMP/RTMPS

Product Overview

Bring **existing VGA equipment into your IP video network**. The BLANKOM VDE-265 captures computer, industrial console and presentation outputs without installing screen-capture software on the source system.

Encode up to **1920 × 1200 at 60 fps** while retaining the original signal through the **VGA loop output**. One main stream and three secondary streams let you tailor resolution, bitrate and destination to each receiving workflow.



Encoder & Streamer



BLANKOM

BLANKOM VDE-265 · compact VGA-to-IP encoder

Key Features

- ✓ **Native VGA capture.** Connect an analog RGB source and retain the local monitor through the VGA loop output.
- ✓ **Efficient video compression.** H.265/HEVC, H.264/AVC and MJPEG support for compatible receivers.
- ✓ **Four configurable streams.** Main stream up to 1920 × 1200p60; three secondary streams up to 720p.
- ✓ **Flexible IP delivery.** SRT, RTMP/RTMPS, RTSP, HTTP, HLS, FLV and UDP/RTP unicast/multicast.
- ✓ **Separate stereo audio.** Connect a 3.5 mm analog audio source and retain the local audio loop output.
- ✓ **Stream branding.** Insert logos and text on main and secondary streams for source identification and branding.
- ✓ **Browser-based operation.** Set encoding and network parameters remotely; update firmware over Ethernet.

Applications

Industrial & control-room displays

Share SCADA and workstation screens with remote viewers while keeping the local VGA monitor.

Education & presentation capture

Stream lecture-room PCs, presentation systems and training consoles to compatible network players.

Marine & simulator training

Distribute VGA instrument and simulator displays for observation, training and review.

Legacy equipment integration

Capture existing VGA outputs without changing the source computer or installing capture software.

ONE SOURCE, SEVERAL DESTINATIONS

Keep a local VGA monitor connected while delivering separate IP profiles for LAN and internet viewing.

Connections & Signal Access



Front: video, audio, network and power



Rear: status indicators

VGA IN / OUT: source and loop · **Audio IN / OUT:** stereo and loop
12 V DC: power · **Ethernet:** Gigabit IP / management · **RST:** reset

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

INPUTS & VIDEO ENCODING

VGA input	1 × analog RGB, D-Sub 15
Input formats	Up to 1920 × 1200 at 60 Hz; 1080p60 and lower VESA modes
VGA output	1 × loop-through
Video codecs	H.265/HEVC; H.264/AVC; MJPEG/JPEG baseline
IP streams	1 main + 3 secondary streams
Main stream	Up to 1920 × 1200 at 60 fps
Secondary streams	Up to 1280 × 720
Video bitrate	0.1-32 Mbps
Frame rate	5-60 fps, format dependent
Rate control / GOP	CBR / VBR; IBBP
Image processing	De-interlacing, noise reduction, sharpening

AUDIO

Sources	External analog stereo; VGA carries video only
Input / loop	3.5 mm stereo input and audio loop output; level adjustment
Codecs	AAC / AAC+ / AAC++, MP3, MP2, AC-3, G.711
Sampling	44.1 / 48 kHz
Audio bitrate	12-640 kbps, codec dependent

NETWORK & MANAGEMENT

Ethernet	1 × RJ45, Gigabit Ethernet
Protocols	SRT, HTTP, HLS, FLV, RTSP, RTMP/RTMPS, UDP/RTP
Delivery modes	Unicast / multicast
Integration	ONVIF; VLC / FFmpeg modes
OSD	Logo (BMP) and text insertion on main and secondary streams
Management	Web browser GUI over Ethernet
Firmware	Network firmware upgrade
Operating system	Embedded HiLinux
Latency reference	RTMP: approx. 700-800 ms; varies with configuration and network

POWER & PHYSICAL

DC input	12 V DC, 1 A
Consumption	12 W (published specification)
Dimensions	185 × 110 × 30 mm
Weight	Approx. 300 g
Form factor	Compact standalone enclosure

Selection & Configuration

Order VDE-265 for a single VGA source with local loop-through and up to four IP streams. Specify the source format, receiving codec, protocols, target bitrates and external stereo audio. Use H.264 with AAC where required by the destination platform; choose H.265 for HEVC-capable receivers.

Confirm the source VGA timing and the receiving display aspect ratio, particularly for 1920 × 1200 (16:10). This unit transports video and audio; it does not provide keyboard or mouse control.

Specifications are subject to change without prior notice.