

K 4K DisplayPort Encoder & IP Streamer

- DisplayPort input + loop
- H.265 / H.264 / MJPEG
- 4 IP streams
- SRT & USB recording

Product Overview

Bring **DisplayPort sources directly into your IP video network**. The DPE-275 combines hardware encoding and streaming in a compact unit for workstation, presentation and professional video feeds.

Encode up to **4K UHD at 30 fps** and retain a local display through the **DP loop-through output**. One main stream and three substreams serve different resolutions, bitrates and destinations from the same source.

Key Features

- ✓ **Native DisplayPort connectivity.** Connect a DP source and retain the loop output for a local monitor.
- ✓ **UHD and HD encoding.** H.265/HEVC, H.264/AVC and MJPEG support; 4K30 and Full HD workflows.
- ✓ **Four independent IP streams.** Configure one main stream and three substreams for different receiving devices.
- ✓ **LAN and internet distribution.** SRT, RTMP/RTMPS, RTSP, HTTP, HLS, FLV and UDP/RTP streaming.
- ✓ **Flexible audio selection.** Use embedded DisplayPort audio or an external 3.5 mm stereo input.
- ✓ **USB recording.** Record transport-stream files to USB storage; NTFS, exFAT and FAT32 supported.
- ✓ **Branding and remote setup.** Text/logo overlays, browser configuration and firmware updates.



DisplayPort source capture with local monitoring

Applications

Control rooms & industrial PCs

Distribute workstation and SCADA display content to remote viewing positions.

Corporate & education

Share presentations, CAD reviews and training content across rooms or campuses.

Digital signage & IPTV

Feed compatible decoders and media players over the local IP network.

Live production & streaming

Deliver DisplayPort video to streaming servers and compatible online platforms.

WHY DISPLAYPORT?

Capture a native DP source while keeping local monitoring available through the loop output.

Front & Rear Connections



Front: 12 V DC · DP OUT · DP IN · AUX IN · GbE



Rear: USB recording · Power / Eth / Status LEDs

Panel photographs from BLANKOM documentation; appearance may vary with hardware revision.

INPUTS & STREAM OUTPUTS

Video input	1 × DisplayPort
Local output	1 × DisplayPort loop-through
Audio input	DP embedded audio; 3.5 mm stereo jack
Network	RJ45 Gigabit Ethernet
IP streams	1 main + 3 substreams; independently configurable
Main stream	UHD 3840 × 2160p30; Full HD 1080p60
Substreams	Up to 720p; configuration dependent
Delivery	SRT, RTMP/RTMPS, RTSP, HTTP(S), HLS, FLV; UDP/RTP unicast/multicast

RECORDING & MANAGEMENT

USB recording	Transport-stream files; NTFS / exFAT / FAT32
Management	Web GUI; configuration import/export; firmware update
Integration	ONVIF 2.x; VLC / FFmpeg modes
OSD	Text and image overlays; up to 4 logos
Image controls	De-interlacing, noise reduction, sharpening, Y-C adjustment

VIDEO & AUDIO ENCODING

Video codecs	H.265/HEVC Main; H.264 High/Main/Baseline; MJPEG
Frame rate	5-60 fps; 4K limited to 30 fps
Video bitrate	Up to 32 Mbps
Rate control	CBR / VBR / Strong CBR
GOP	5-300
Audio codecs	AAC / AAC+ / AAC++, MP3, MP2, AC3, G711
Audio sampling	44.1 / 48 kHz
Audio bitrate	12-640 kbps, codec dependent

POWER & PHYSICAL

Power input	12 V DC via external adapter
Housing	Compact standalone enclosure
Order specification	Confirm dimensions, weight and supplied adapter for the hardware revision.

ORDERING / PROJECT CHECK

DPE-275: DisplayPort encoder / IP streamer. Specify source timing, destination protocols, number of streams and USB recording needs. Confirm supplied power adapter and hardware revision.

Power consumption, dimensions and weight vary between published hardware records. Request the configuration-specific mechanical and power data with your quotation.

Specifications are subject to change without prior notice.