

ZK-DEC-8605-4K

5ch 4K Ultra-HD Network Video Decoder



- H.265/H.264/MJPEG Video compression
- 5 ch HDMI output with 4K (3840*2160) resolution supported
- Video decoding capability up to 7ch*4K@30fps
- Screen split: 1/4/9/16/25 display split per one HDMI output
- 2*RJ45 10/100/1000Mbps self-adaptive for network security
- Alarm in/out: 6 in / 4 out
- Audio in/out: 1 in / 1 out
- Standard 1U aluminum casing



System Overview

ZKTeco decoder is a high-definition network video decoding device with advanced technology for decoding high quality video to TV Wall displaying.

Built-in with the very powerful CPU processor, the decoder can support multiple mainstream video compression formats such as the H.265, H.264, MJPEG, the decoding performance supports up to 7channels 8MP (4K) ultra-high resolution at the same time.

It also can support abundant features such as live view & playback video decoding, window opening, video cruising, window split, window roaming, splicing screen, PTZ control, simulated banner, etc, can be widely used in various security system projects.

Key Functions

- Decoding capability:
7ch*4K@30fps/14ch*5MP@30fps/20ch*4MP@30fps/40ch*2MP@30fps/77ch*720P@30fps/125ch*D1@30fps
- Supports getting stream and decode via ONVIF, URL and RTSP from encoding devices.
- User-friendly operations on live / playback video decoding, window opening, video cruising, window split, window roaming, splicing screen, PTZ control, simulated banner, etc.
- System expansion by cascade connection support up to 10 devices

Technical Parameters

Model	ZK-DEC-8605-4K
System	
Main Processor	Multi-core embedded processor
Operating System	Embedded LINUX
Video	
Video Compression	H.265 / H.264 / MJPEG
Input	1* HDMI / Network Video Sources / Others
Output	5*HDMI Output
Output Resolution	4K: 3840 *2160@50/60Hz ; 5MP: 2592*1944@50/60Hz; 4MP: 2560*1440@50/60Hz; 1080P: 1920*1080@50/60 Hz; 720P: 1280*720@50 Hz/60 Hz
Audio	
Audio Compression	G.711A,G.711U and AAC
Audio Decoding	Support
Decoding	
Decoding Resolution	Up to 8MP (4K)
Decoding channel	Up to 125 channels
Decoding Capability	7ch*4K@30fps (HDMI 5: 3ch; HDMI 1~4: 1ch each); 14ch*5MP@30fps (HDMI 5: 6ch; HDMI 1~4: 2ch each); 20ch*4MP@30fps (HDMI 5: 8ch; HDMI 1~4: 3ch each); 40ch*2MP@30fps (HDMI 5: 16ch; HDMI 1~4: 6ch each); 77ch*720P@30fps (HDMI 5: 25ch; HDMI 1~4: 13ch each); 125ch*D1@30fps (HDMI 1~5: 25ch each)
Split Screen	1/4/6/8/9/16/25
Interoperability	ONVIF, SDK, API, RESTFUL
Interface	
Network Interface	2*RJ45 interface 10/100/1000Mbps self-adaptive
Serial Interface	1*RS232, 1*RS485,
Audio Input/Output	1/1
Alarm Input/Output	6/4
USB Port	1*USB Ports (Software recovery, System upgrade, Local video files play)
Reset Button	Yes
Power	
Power Supply	AC 100~240V, 47~63Hz
Power On/Off Switch	Yes
Power Consumption	≤45W

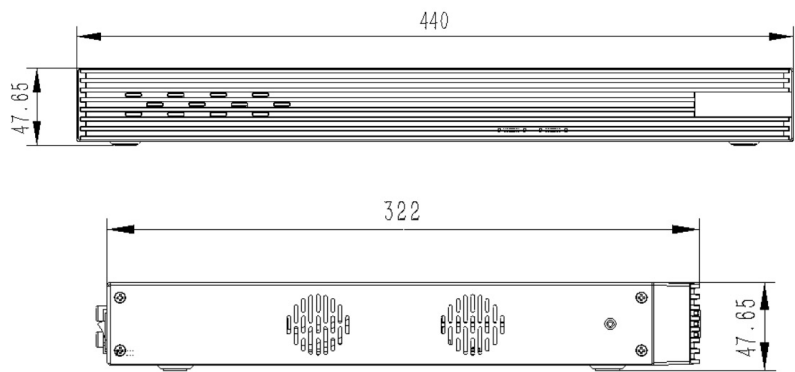
General

Casing	1U
Working Temperature	-10℃ ~ 55℃ / 14°F ~ 131°F
Working Humidity	10% ~ 90%
Working Pressure	below 5000m altitude
Dimension (L*W*H)	440*322*47.85 mm
Net Weight	≤ 4.5KG
Gross Weight	≤6KG

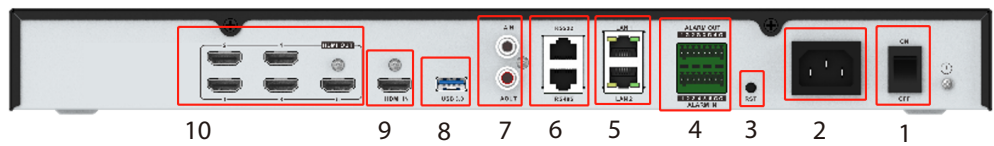
Order Information

Type	Model	Description
Network Video Decoder	ZK-DEC-8605-4K	5ch UHD Network Video Decoder

Dimensions (mm)



Rear Panel



1	Power switch	6	RS232, RS485
2	AC100-240V	7	Audio in/out
3	Reset Button	8	USB3.0
4	Alarm in/out	9	HDMI In
5	2* RJ45 Ports	10	HDMI Out

