

1ch 8K VIDEO DECODER



Video Decoder DC8K

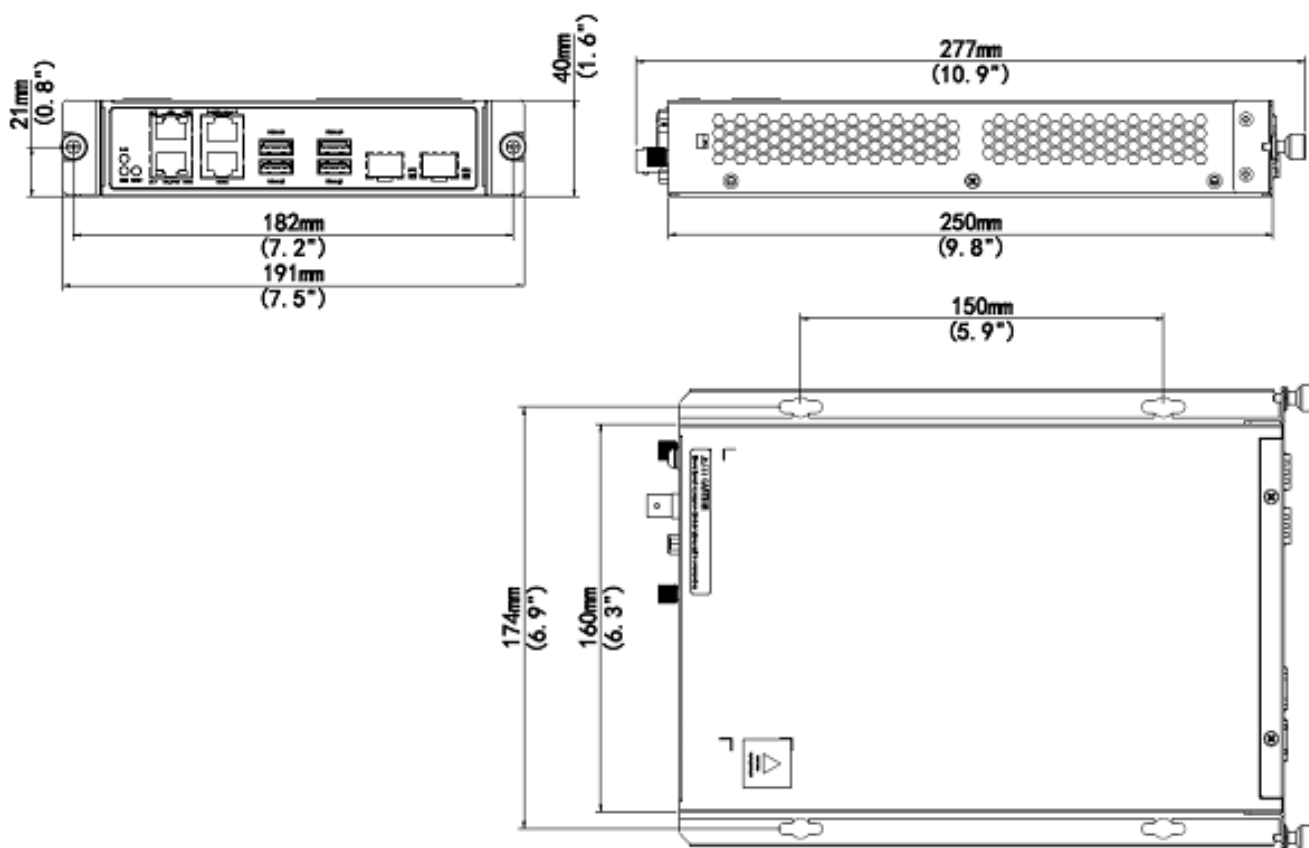
- > Fully Adheres to National Defense Authorization Act (NDAA) Guidelines
- > Embedded Linux OS ensures 24/7 stable operation and prevents hackers and viruses
- > 1 HDMI / VGA / SDI video output
- > Supports decoding 1-ch 8K @ 60fps, 2-ch 8K @ 30fps, 8-ch 12MP @ 20fps, 8-ch 4K @ 30fps, 32-ch 1080P @ 30fps, and 72-ch 720P @ 30fps videos in parallel
- > Supports decoding video in H.265, H.264, MPEG4, MPEG2, and MJPEG formats
- > Supports decoding video in 8K, 12MP, 4K, 1080P, 720P, and D1 resolutions, compatible with IPC streams from mainstream manufacturers in the industry
- > Up to 8K (7680*4320) @ 60Hz output resolution, compatible with mainstream display devices in the industry.
- > Supports decoding audio in G711.A and G711.U formats
- > Supports up to 64 split screens for a single video output
- > Allows users to configure and manage the device on a central server, supports GB/T28181 and standard ONVIF
- > Supports synchronizing time with server by schedule
- > Supports high/low-temperature alarm

Specifications

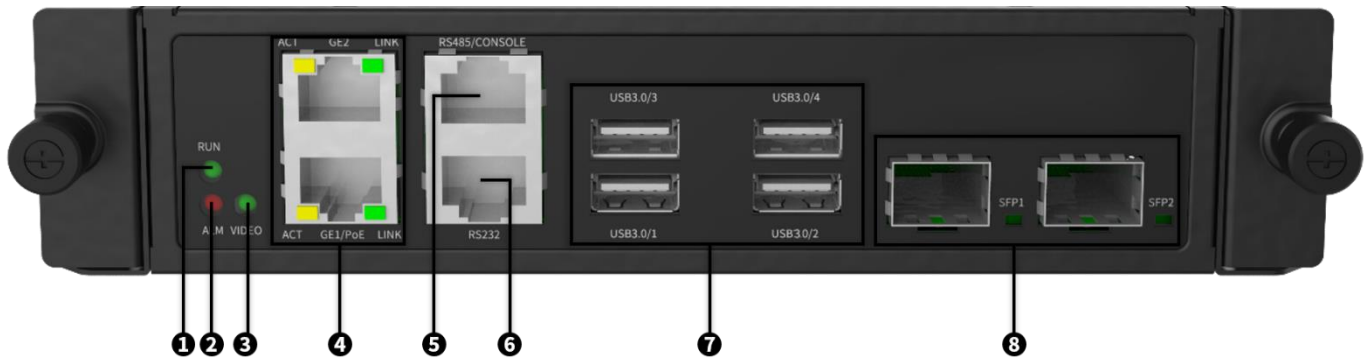
Decoding	
Decoding resolution	Up to 8K
Decoding capability (fps)	1-ch 8K @ 60fps, 2-ch 8K @ 30fps, 8-ch 12MP @ 20fps, 8-ch 3840 x 2160 @ 30fps, 32-ch 1080P @ 30fps, 72-ch 720P @ 30fps, 128-ch D1 @ 30fps
Split screen	Up to 64
Output	
Video format	H.265, H.264, MPEG4, MPEG2, MJPEG
HDMI output	7680 x 4320 @ 60Hz, 7680 x 4320 @ 30Hz, 3840 x 2160 @ 60Hz, 3840 x 2160 @ 30Hz, 1920 x 1200 @ 60Hz, 1920 x 1080 @ 60Hz, 1920 x 1080 @ 50Hz, 1660 x 1200 @ 60Hz, 1440 x 900 @ 60Hz, 1366 x 768 @ 60Hz, 1280 x 1024 @ 60Hz, 1280 x 720 @ 60Hz, 1280 x 720 @ 50Hz, 1024 x 768 @ 60Hz
VGA output	1920 x 1200 @ 60Hz, 1920 x 1080 @ 60Hz, 1920 x 1080 @ 50Hz, 1660 x 1200 @ 60Hz, 1440 x 900 @ 60Hz, 1366 x 768 @ 60Hz, 1280 x 1024 @ 60Hz, 1280 x 720 @ 60Hz, 1280 x 720 @ 50Hz, 1024 x 768 @ 60Hz
SDI output	1920 x 1080 @ 60Hz, 1920 x 1080 @ 50Hz, 1280 x 720 @ 60Hz, 1280 x 720 @ 50Hz
Interface	
Video output	1 x HDMI / VGA / SDI video output interface
Audio input	1 x audio input interface (reserved)
Audio output	1 x audio output interface (reserved)
Alarm input	4 x Phoenix terminal (reserved)
Alarm output	3 x Phoenix terminal (reserved)
Serial port	2 x RS485 (1 RJ45 RS232 Console and RS485, 1 reserved Phoenix terminal), 1 x RS232 (RJ45)
Ethernet	2 x GE Ethernet electrical port (RJ45 connector, half-duplex/full-duplex Ethernet, supports 10M/100M/1000M Base-T adaptive)
Fan	CPU fan
SFP	2 x Gigabit optical port
USB	4 x USB3.0
General	
Dimensions (W x H x D)	277 x 40 x 191mm (10.9 x 1.6 x 7.5")
Operating Temperature	-10°C ~ 60°C (14°F ~ 140°F)

Operating Humidity	5% to 95% (non-condensing)
Weight	<2kg (4.4lbs)
Power Supply	12VDC
Power consumption	<15W

Dimensions

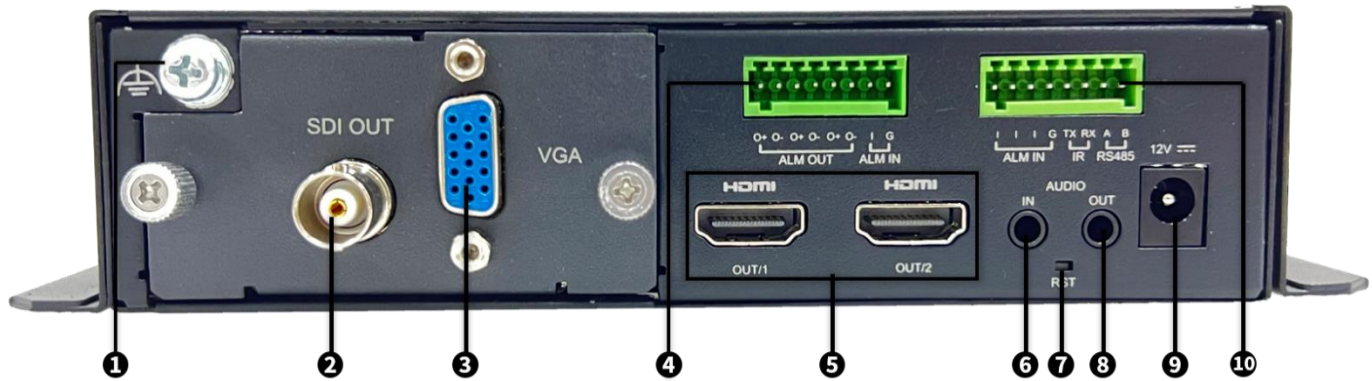


Front Panel



No.	Name	Description
1	RUN indicator	Running indicator: green Steady on for power-on and normal operation, blinking for startup, off for shutdown
2	ALM indicator	Device status indicator: red Steady on for alarms, off for no alarm
3	VIDEO indicator	Video decoding status indicator: green Steady on for decoding, off for no decoding
4	Network port	10M/100M/1000Mbps adaptive Ethernet electrical port
5	RS485	RS485 serial port
6	RS232	RS232 serial port
7	USB	4*USB3.0
8	SFP	2*Gigabit optical port

Rear Panel



No.	Name	Description
1	Grounding	Grounding terminal
2	SDI	SDI Out Interface
3	VGA	VGA video interface
4	Phoenix terminal	Alarm input/remote switch on/off interface/alarm output (reserved)
5	HDMI output	2*HDMI video output interface (OUT2 reserved)
6	Audio input	3.5mm audio input interface (reserved)
7	RST button	Press to reset the device, press and hold for more than 5s to restore factory defaults and restart the device
8	Audio output	3.5mm audio output interface (reserved)
9	Power interface	12V DC power interface
10	Phoenix terminal	RS485 / IR / alarm input (reserved)