dahua TECHNOLOGY

Ultra-HD Network Video Decoder

- Provides Real-time Decoding
- Smart H.265+, H.265, H.264, MPEG4, MJPEG Video Compression
- Ultra-high Decoding Capability, up to 12 MP on Three (3) Channels
- HDMI/VGA Output; HDMI Supports 4K Output
- Supports 1/4/9/16/25/36/64 Split-screen Display
- Audio, Alarm, and Bi-directional Talk

Roaming | Multi-segmentation | 4K Decoding | H.265

Technical Specification

System

Processor	Intel x86 Processor
Operating System	Embedded LINUX

Performance

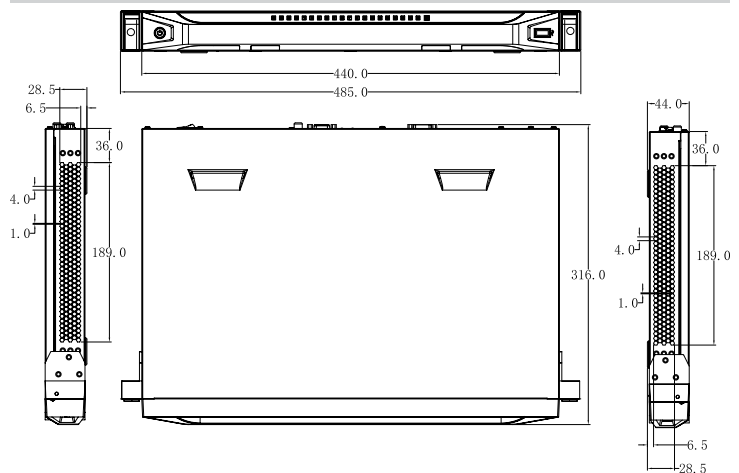|	
Video Compression	Smart H.265+ H.265, H.264, MPEG4, MJPEG
Audio Compression	PCM, G711
Decoding Resolution	12 MP, 8 MP, 6 MP, 5 MP, 4 MP, 3 MP, 1080p, 720p, 960H, D1, HD1, 2CIF, CIF, QCIF
Video Decoding	3 channels of 12 MP at 25 fps 4 channels of 8 MP at 30 fps 6 channels of 6 MP at 25 fps 8 channels of 5 MP at 25 fps 9 channels of 4 MP at 25 fps 10 channels of 3 MP at 30 fps 12 channels of 3 MP at 25 fps 16 channels at 1080P 36 channels at 720P 64 channels at D1
Video Output	HDMI or VGA
Display Resolution	3840 x 2160, 1920 x 1080, 1280 x 1024, 1280 x 720, 1024 x 768
Audio Output	HDMI
Communication Interface	One (1) RJ45 Network Port (10/100/1000 Mbps), Self-adaptive One (1) RS232 Port (DB9)
Bi-directional Talk	Input: One (1) Channel, RCA Output: One (1) Channel, RCA (2 Vrms, 10K Ω)
Alarms	Input: Four (4) Channels Output: Four (4) Relays (30 VDC 1 A, 125 VAC, 0.5 A)

Power, Environment, Construction

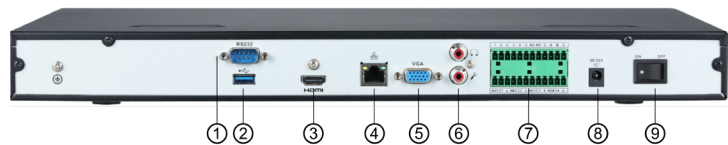|	
Power Supply	12 VDC, 3.3 A
Power Consumption	≤ 20 W
Working Temperature	−10 °C to +55 °C (14 °F to 131 °F)
Working Humidity	10% to 90%, 86 Kpa to 106 Kpa
Unit Dimension	1U, 440.0 mm x 322.80 mm x 44.0 mm (17.32 in. x 12.71 in. x 1.73 in.)
Weight	3.20 kg (7.05 kg)

Ordering Information

Type	Part Number	Description
Decoder	DHI-NVD0105DH-4K	Ultra-HD Network Video Decoder
Package Contents		1 x VDC Power Adapter 1 x Ethernet Cable (RJ45 connectors) 2 x Alarm I/O, RS485 Terminal Connector with screws 2 x Rack Mount Ears 1 x Network Video Decoder Quick Start Guide

Dimensions (mm)

Rear Panel

1	RS232 Port	6	Audio IN/OUT, RCA
2	USB 2.0 Port	7	Alarm I/O, RS485
3	4K HDMI OUT	8	12 VDC Power Input
4	RJ45 Network Port	9	On/Off Switch
5	VGA OUT		