

iDS-67128NXI-M1/AI
NVS DeepinMind

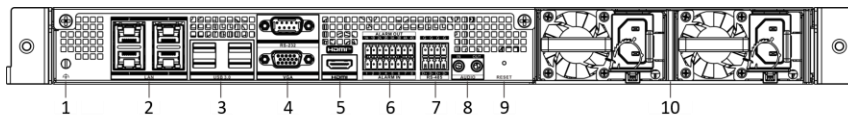
- Intelligent analytics based on deep learning algorithm
- Up to 128-ch IP cameras can be connected
- H.265+/H.265/H.264+/H.264 video formats
- 4 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interfaces
- Facial recognition for people not wearing hard hat
- PPE detection which including safety helmets and reflective vests
- Fire and smoke detection
- BA function, falling down detection, people gathering detection, fast moving detection, physical conflict detection
- Indoor BA function, playing mobile phone, number of people exception, overstaying detection

▪ Specification

Intelligent Analytics	
AI by NVR	<p>Pre-installed AI Algorithm Package</p> <p>Human (3 Algorithm models)</p> <ol style="list-style-type: none"> 1. Facial recognition: 2. People counting: regional people counting, people counting statistics 3. PPE: safety helmets and reflective vests detection <p>Vehicle (2 Algorithm models)</p> <ol style="list-style-type: none"> 1. Vehicle attributes: vehicle brand, vehicle color, vehicle type 2. Non-motorized vehicle detection: motorcycle, bicycles <p>Dangerous Event (2 Algorithm models)</p> <ol style="list-style-type: none"> 1. Fire and smoke detection 2. Occupation of fire escape <p>Behavior (3 Algorithm models)</p> <ol style="list-style-type: none"> 1. Street level behavior : falling down detection, people gathering detection, fast moving detection, physical conflict detection 2. Indoor: playing phone, sleeping on duty, absence, number of people allowed, overstaying detection 3. Perimeter: intrusion detection, line crossing detection, region entrance detection, region exiting detection 4. Smoke detection, call detection <p>AIOP (Up to 16 models)</p> <p>Model type: detection model, classification model, mixed model (detection model and classification model)</p> <p>1 engines in total, One engine can support four algorithm models; each algorithm model supports one real-time video stream analysis or a maximum of 8 auto-switch video analyses (switch time between 10 to 3600 seconds)</p>
Engine	4× GPU Card (1 Card = 4 * KT2 engine)
AI Open Platform Performance	
Live Video Analysis	32-ch 4 MP or 16-ch 6 MP or 8-ch 8 MP
Auto-Switch Video Analysis	128-ch
Scheduled Capture Analysis	128-ch
Offline Picture Analysis	4 images per GPU per second or 1 image per GPU per second (Large model)
Video and Audio	
IP Video Input	128-ch Up to 8 MP resolution
Incoming Bandwidth	1024Mbps
Outgoing Bandwidth	1024Mbps
HDMI Output	1 × HDMI output
VGA Output	1 × VGA output
Audio Output	1-ch, 3.5mm interface
Two-Way Audio	1-ch, 3.5mm interface
Decoding	
Decoding Format	H.265/H.265+/H.264/H.264+
Recording Resolution	8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF

Network	
Network Interface	4, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
Remote Connection	128
Network Protocol	TCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, NTP, RTSP, SADP, SMTP, SNMP, NFS, iSCSI, ISUP, UPnP™, HTTP, HTTPS
Camera Access Protocol	ONVIF profile S; ONVIF profile T (Version 2.2); RTSP
Auxiliary Interface	
Serial Interface	1 RS-232, 2 RS-485 (half-duplex)
Alarm In/Out	8/4
USB Interface	Front panel: 2 × USB 2.0; Rear panel: 4 × USB 3.0
General	
Power Supply	100 to 240 VAC, 50 to 60 Hz, redundant power supply
Consumption	≤ 400 W (without HDD)
Working Temperature	-10 to 55° C (14 to 131° F)
Working Humidity	10 to 90%
Dimension (W × D × H)	436 × 460 × 44 mm (17.17" × 18.11" × 1.73")
Weight	≤ 20 kg (without HDD, 44.1 lb.)
Certification	
Obtained Certification	CE, IC, CB, KC, UL, Rohs, Reach, WEEE, RCM, UKCA, LOA, BIS

Physical Interface



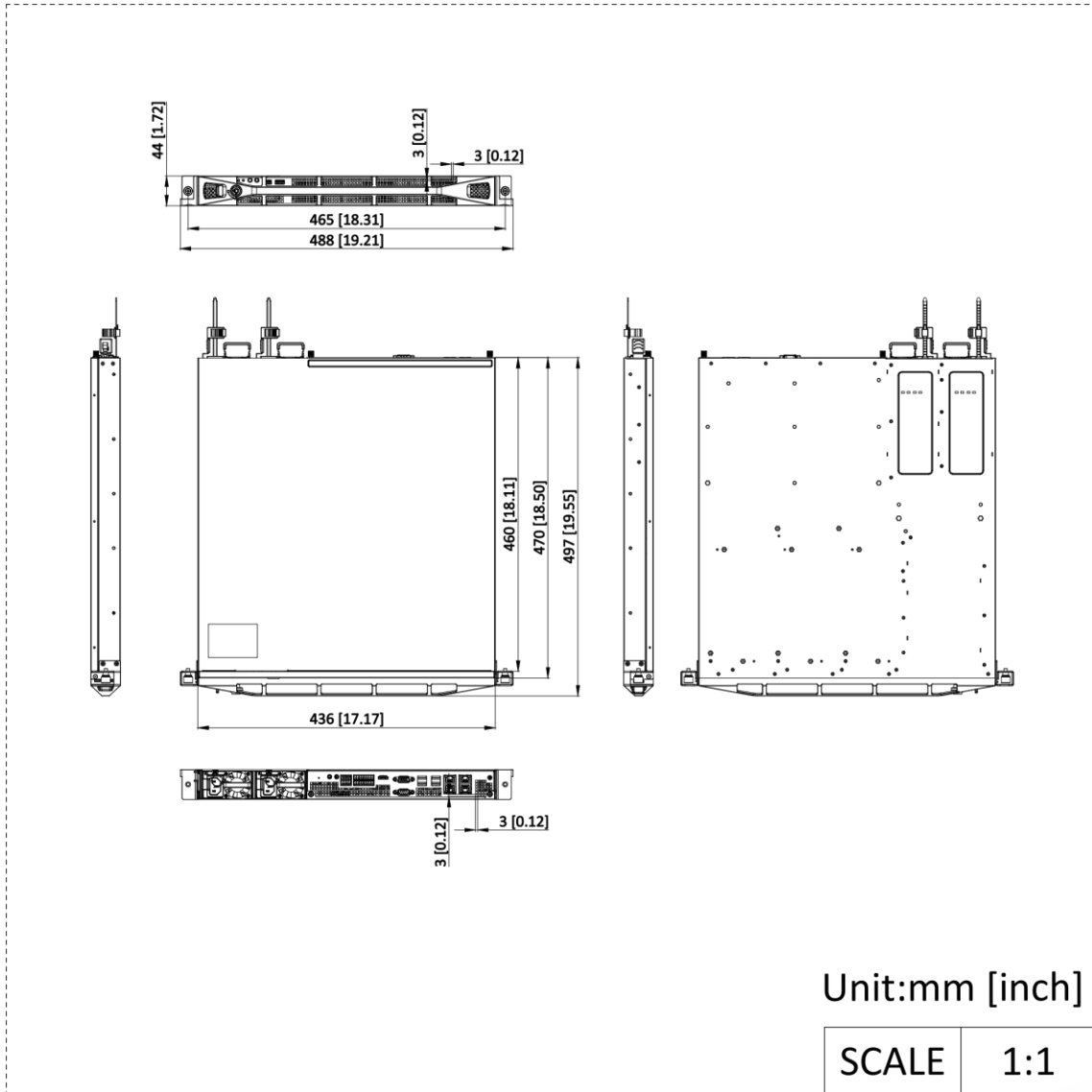
No.	Description	No.	Description
1	GND	6	Alarm in and out
2	LAN network interfaces	7	RS-485
3	USB 3.0 interfaces	8	Audio in and out
4	VGA interface (reserved) and RS-232 serial interface	9	Reset (reserved)
5	HDMI interface (reserved)	10	Power supply

Available Model

iDS-67128NXI-M1/AI(STD)(1 × 8T)

iDS-67128NXI-M1/AI(NEU)(1 × 8T)

Dimension



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