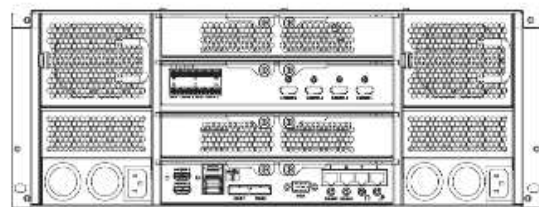
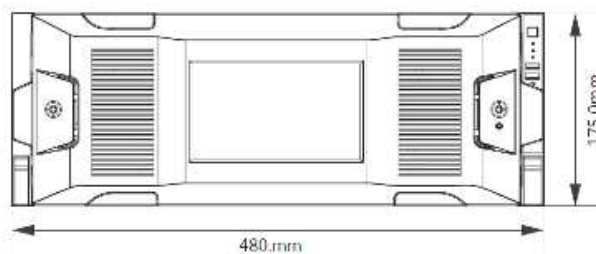




Vanguard Guardian+ NVR-S+ Series



- Max 256 channel IP cameras connection
- Max 512Mbps incoming bandwidth
- Up to 128ch@1080P, 256ch@720P, 256ch@D1 real-time recording
- Up to 10-screen output: 10 HDMI sync output
- Support 24 hot-swap SATA HDDs to better its scalability and flexibility
- Support RAID 0/1/5/6/10/50/60
- Front LCD display
- ONVIF and IVS Support
- Redundant power supply



Vanguard Guardian+ NVR-S+ Series

System	
Main Processor	Intel® Core™ i7 Processors
Operating System	Embedded LINUX
Motherboard	Embedded Board (Support 7x24 operation)
Memory	8GB DDR3(up to 16GB)
Case	Hot-dipped galvanized sheet steel (1.2mm thickened), High-precise aluminum alloy slide, Patented pull-out rack design
Fan	Dual ball screw bearing fan, MTBF>100,000h, support replacement during operation
Interface	Local GUI & WEB GUI
Video	
Input	128ch@1080P/ 256ch@720P/ 256ch@D1
Transmission	128ch@1080P/ 256ch@720P/ 256ch@D1
Recording	128ch@1080P/ 256ch@720P/ 256ch@D1
Preview	20ch@1080P/40ch@720P/80ch@D1(Screen 1~2 , default)+16ch@1080P(Screen 3~6)
Playback	16ch@1080P/32ch@720P/64ch@D1 (Screen 1)
Recording Resolution	8Mp, 5Mp, 3Mp, 1080P, 720P, 960H, D1, CIF, QCIF, VGA
Recording	
Recording Mode	Manual, Schedule (Regular (Continuous), MD (Video detection: Motion detection, Camera blank, Video loss), Alarm), Stop
Alarm Recording	Video loss, Camera blank, Motion detection, External alarm
Backup Mode	Network download / USB HDD/USB CD&DVD-RW / eSATA Device
Display	
Interface	10 HDMI, 1 VGA
Video Output	10 HDMI built in Video Matrix
Multi-screen Display	The 1st screen: 1/4/8/9/16/25/36/64 The 2nd-10th screens: 16
Privacy Masking	4 customized zones for privacy masking for each area
Storage	
Internal HDD	24 SATA ports, up to 240TB Expandable to 720TB
HDD Mode	0/1/5/6/10/50/60 (Support global HDD Hot-standby)
HDD Installation	Independent HDD rack, support hot swap
Network	
Interface	4 RJ-45 ports(10/100/1000Mbps)
Ethernet Port	4 Ethernet ports joint working or 4 independent 1000Mbps Ethernet ports

MD & Alarm & IVS	
Motion Detection	Zones: 396(22×18), Sensitivity: 1~6 (level 6 is highest)
Alarm Input	4ch, low level effective, green terminal interface
Relay Output	4ch, Relay contact(1A@24VDC), NO/NC programmable, green terminal interface
Intelligent Function	Built in Tripwire, Intrusion, Scene Change, Missing, Abandoned, Audio Detect, Face Detection, ANR
Auxiliary Interface	
Front cover	Support hot swap, 7" inch HD LCD (1920x1080/1280x1024/1024x768)
USB	4 USB ports(2 on the front-panel, 2 on the rear panel) , 2 USB3.0, 2 USB2.0
eSATA	1 eSATA port
SAS	2 Mini SAS ports
General	
Power Supply	AC 100V~240V,47~63Hz, Redundant
Power Consumption	240W (Without HDD)
Working Environment	0°C~60°C5 ~+40°C / 10~80%RH /
Working Humidity	10%~80% (non-condensation)
Dimension (W×D×H)	4U, 480mm×494mm×175mm
Weight	29kg (without HDD)
Installation	Rack-mounted
Warranty	Vanguard 1-year Warranty and Vanguard Extended Warranty option