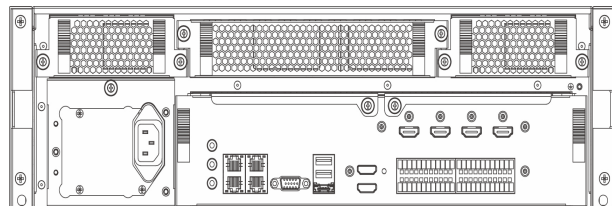
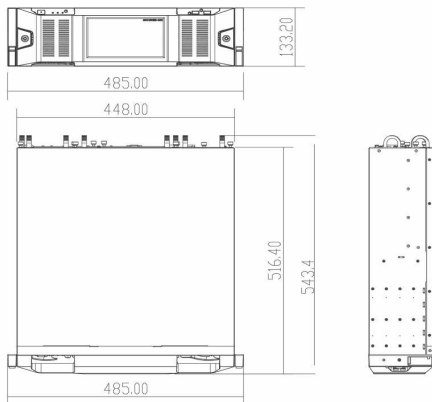


Vanguard Guardian+ NVR-64S Series

Redundant Network Video Recorder



- Intel Processor, Max 64Channel IP cameras connection
- Up to 64 Channel 1080P real-time live view
- Up to 384Mbps incoming bandwidth
- H.265+/H.265/H.264+/H.264 codec decoding
- Supports up to 64 channel@D1, 64 channel@720P, 64 channel@1080P real-time recording
- Up to 6-screen output: 6 HDMI sync output/1 VGA+5 HDMI sync output
- Support 16 hot-swappable SATA HDDs to better its expandability and flexibility
- Support multiple RAID mode such as RAID0, RAID1, RAID5 and RAID10
- Support N+M hot standby
- Support iSCSI to expand storage space
- Built in video Analytic and ANR Function
- Smart Tracking and Intelligent Video
- ONVIF Version 2.4 conformance
- Redundant power supply



Vanguard Guardian+ NVR 64S

System	
Main Processor	Intel® Quad Processors High Performance Intel Embedded
Operating System	Embedded LINUX
Motherboard	Embedded Board (Support 7x24 operation)
Fan	Dual ball screw bearing fan, MTBF>100,000h, support replacement during operation
Interface	Local GUI & WEB GUI
Video	
IP Camera Input	64 CH
Input	12MP, 8MP, 6MP, 4MP, 3MP, 1080P, 1.3MP, 720P
Video Out	6 HDMI, or 1ch VGA (or built-in LCD) and 5ch HDMI sync video output
Resolution	3840x2160, 1920x1080, 1280x1024, 1280x720, 1024x760
IPC Audio	64 Channel
Recording	
Compression	H.265+/H.265/H.264+/H.264 codec decoding
Alarm Recording	Video loss, Camera blank, Motion detection, External alarm
Recording Resolution	8MP, 5MP, 3MP, 1080p, 720p, 960H, D1, CIF, QCIF, VGA
Recording Rate	384Mbps
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, Video analysis
Backup Mode	Network download / USB HDD/USB CD&DVD-RW / eSATA Device
Display	
Interface	6 HDMI, 1 VGA
Video Out	6 HDMI, or 1ch VGA (or built-in LCD) and 5ch HDMI sync video output
Display Split	1 st Screen: 1/4/8/9/16/36/64 2 nd - 6 th Screen: 1/4/8/9/16
Tour Display	Support
OSD	Camera title, date, time, Transaction Details
Privacy Masking	4 Customized zones for privacy masking for each area
Storage	
Internal HDD	16 SATA Ports up to 192TB, Storage Expandable Redundancy RAID 0/1/5
HDD Installation	Independent HDD rack, support Hot Swap
HDD Mode	RAID 0/1/5/6/10/50/60 (Support global HDD Hot-standby)

Network	
Interface	4 RJ-45 Ports(10/100/1000Mbps), Joint or 4 Independent
Network Function	HTTP, TCP/IP, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP, ANR, Alarm Server, IP Search
Remote Operation	Monitor, PTZ control, Playback, System setting, File download, Log information, Search Video by Card Number, transaction Number
MD & Alarm	
Trigger Events	Recording, PTZ movement, Tour, Alarm, Email, FTP, Buzzer & Screen tips
Motion Detection	Zones: 396(22x18), Sensitivity: 1~6 (level 6 is highest) Video Loss and Camera Blank
Video Loss, Blank	Support
Alarm In/Out	16/8
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
RS232/485	1/1
General	
Power Supply	AC 100V-240V, 50Hz-60Hz Redundant
Power Consumption	60W (Without HDD)
Working Environment	0°C~60°C
Working Humidity	10%~80% (non-condensation)
Dimension (WxDxH)	3U, 485mmx448mmx133mm 19" Rack Mounted
Weight	20 kg (without HDD)
Certification	CE:EN55022, EN55024, EN50130-4, EN60950-1 / FCC Part15 Subpart B, ANSI C63.4-2014 / UL : 60950-1 and CAN/CSA C22.2 NO.60950-1
Warranty	Vanguard 1-year warranty and Vanguard Extended Warranty option