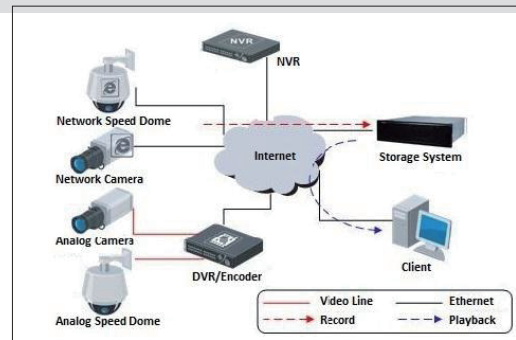# DS-A81016S
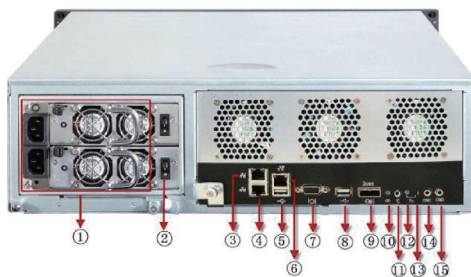## Network Storage Device

Key Features

- High performance with 64 bit RISC processor
- Up to 16 HDD, each disk up to 4TB capacity
- Suppport up to 180-ch 4CIF real-time recording
- iSCSI/NFS/CIFS/FTP/HTTP/AFP protocols
- RAID 0, 1, 3, 5, 10, 50 and HDD hotswap supported
- Dual Gigabit network interfaces
- Modularization and redundant power design for highest reliability

Rear Panel of DS-A81016S

1: Power Supply
2: Power Switch
3: Data Port 2
4: Data Port 1
5: USB Interface
6: Management Port
7: VGA Output
8: USB Interface
9: Expansion Port
10: Expansion Port Indicator
11: Audio Out
12: FN Device Positioning Indicator
13: FN Device Positioning Button
14: COM1: Hyper Terminal
15: COM2: Mobile Phone Alarm/UPS

DS-A81016S	
Controller	
Processor	64-bit multi-core processor
High-speed buffer	4GB (expandable to 8G)
Video/Audio input and output	
Record + Playback	256-ch (2Mps)
Operating system	Windows, Linux, Solaris, HP-UX, AIX, MacOS
General	
Supported Audio Encoding Standard	OggVorbis
Audio Output	1-ch BNC (Linear level, 600Ω)
General	
HDD slot	16
HDD interface	SATA /1TB,2TB,3TB,4TB
Hot-swap disk	Supported
Record + Playback	256-ch (2Mps)
Storage management	
Disk management	S.M.A.R.T. ((Self-Monitoring, Analysis and Reporting Technology)
LUN management	NAS Volume, iSCSI Volume, Record Volume
Data protection	WORM tamper-proof , Real-time backup of system information, LUN clone
Record management	
Recording type	Continuous/ Manual / Main and Sub Stream / Motion / Sensor, etc.
Recording backup	Local backup; Remote backup
Recording protection	Lock key video file for protection, N+1 hot spare system, ANR, video loss alarm
Search mode	By time / type
Download mode	Quick download, batch download, segment download, merging download
Device management	
Management method	Web-based GUI, CLI serial port, integrated management of multiple units
Alarm type	Sound, Flash LED, Email, SMS,Warning on device management page
Log download	Auto-down load by USB flash drive,Remote backup via web browsing
Network External port	
Protocol	RTSP / ONVIF / PSIA / iSCSI / NFS / CIFS / FTP / HTTP / AFP
Data port	2 (can be expanded to 6), 10M/100M/1000M self-adaptive Ethernet interface
Management port	1, 10M/100M/1000M self-adaptive Ethernet interface
SAS expansion port	1 (6Gbps)
VGA output	1
COM interface	2 (1 for hyper terminal and 1 for mobile phone alarm/UPS)
USB interface	2
Others	
Power supply	Redundant (1+1); single power available
Power consumption	Max.460W (with hard disk, redundant power); Max.400W(with hard disk, single power)
Temperature	Operating: 5°C-40°C; Storage: -20°C-70°C
Humidity	Operating: 20%-80% RH(non-freezing, non-condensing); Storage: 5%-90% RH(non-freezing, non-condensing)
Chassis	Standard 19-inch rack-mounted 3U chassis
Dimensions (W×H×D)	440×132×480mm
Weight	Approx.20Kg (without hard disk, redundant power); Approx.18.5Kg (without hard disk, single power)