

## DP-A516N

### Network Storage Device



#### Introduction:

integrated with camera management, video storage, live view, search,

As the cost-effective network storage device, DS-A516N is developed on the controller architecture and adopts multiple advanced technologies, including video streaming technology, RAID technology, intelligent technology, etc. It

playback, download and other functionalities. With this product, you can build a small-scale video management platform independently, or establish a medium/large-scale video management system incorporation with the supporting service platform.

Thanks to these features, DS-A516N is widely applied to the security surveillance projects of the bank, school, store, enterprise, hotel, etc.

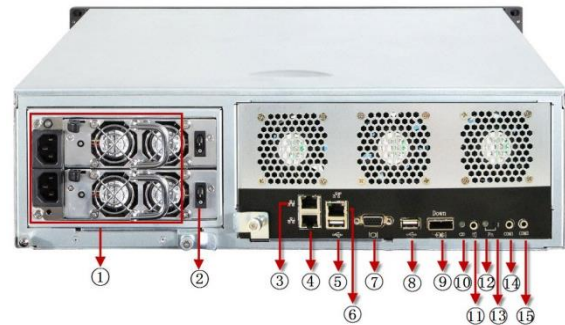
#### Available Model:

DP-A516N

#### Main Features:

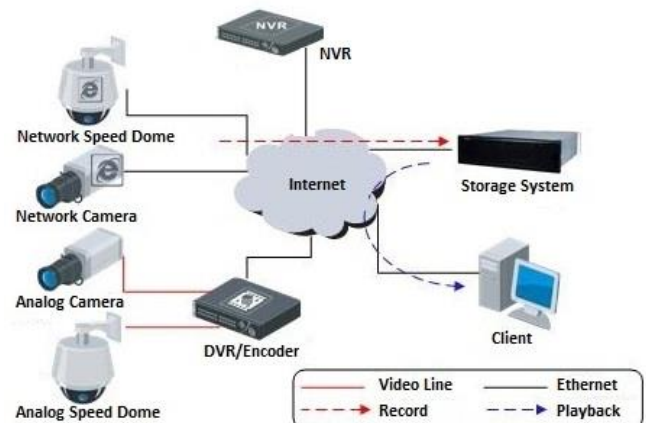
- 64-bit embedded multi-core processor with 4GB high-speed buffer; 6Gbps SAS transmission; SBB2.0 technology
- Connectable to encoding devices (IPC/DVR/encoder/NVR) using standard stream media protocol such as RTSP, ONVIF, PISIA, etc.; Connectable to encoding devices from third-party manufacturers such as AXIS, PELCO, Bosch, Canon, Panasonic, SAMSUNG, SONY, etc.
- Support 240-ch 2Mbps concurrent writing; 16-ch synchronous playback
- Integrated with CVR/IP SAN/NAS application service
- Support built-in stream media module to forward real-time video stream
- Up to 16 SATA hard disks (hot swap) can be installed; Up to 64TB capacity is supported for each device and 2-level expansion cabinets can be cascade connected; Up to 192TB capacity supported for each system
- Support RAID 0, 1, 3, 5, 6, 10, 50, JBOD, hot spare
- Support multiple recording types, including continuous recording, manual recording, main and sub stream recording; motion recording, sensor alarm recording, video loss alarm recording, etc.
- Search, play back, download record files by type or time
- User friendly B/S or C/S interface supporting one-touch quick setting
- Multiple alarm linkage actions such as acousto-optic, text message, email
- Download device logs to USB flash drive automatically
- 2 Gigabit Ethernet ports supporting network interface bonding
- Support N+1 hot spare system
- Automatic Network Replenishment (ANR) ensuring data integrity
- Data backup increasing data security
- Lock and archive the key video file for protection

#### Physical Interfaces:



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

#### Typical Application:



#### Performance Index:

Mode	IP SAN	CVR
<b>Resolution</b>		
D1 (2Mbps) Record + Playback	180-ch	256-ch

## Specifications:

<b>Model</b>	DP-A516N	
<b>Controller</b>	<b>Processor</b>	64-bit multi-core processor
	<b>High-speed buffer</b>	4GB (expandable to 8G)
<b>Video/Audio input and output</b>	<b>Record + Playback</b>	256-ch (2Mps)
<b>General</b>	<b>Operating system</b>	Windows, Linux, Solaris, HP-UX, AIX, MacOS
	<b>HDD slot</b>	16
	<b>HDD interface</b>	SATA /1TB, 2TB, 3TB, 4TB
	<b>Hot-swap disk</b>	Supported
<b>Storage management</b>	<b>RAID level</b>	RAID 0, 1, 3, 5, 6, 10, 50, JBOD, hot spare
	<b>Disk management</b>	S.M.A.R.T. ((Self-Monitoring, Analysis and Reporting Technology)
	<b>LUN management</b>	NAS Volume, iSCSI Volume, Record Volume
<b>Record management</b>	<b>Data protection</b>	WORM tamper-proof, Real-time backup of system information, LUN clone
	<b>Recording type</b>	Continuous / Manual / Main and Sub Stream / Motion / Sensor, etc.
	<b>Recording backup</b>	Local backup; Remote backup
	<b>Recording protection</b>	Lock key video file for protection, N+1 hot spare system, ANR, video loss alarm
	<b>Search mode</b>	By time / type
<b>Device management</b>	<b>Download mode</b>	Quick download, batch download, segment download, merging download
	<b>Management method</b>	Web-based GUI, CLI serial port, integrated management of multiple units
	<b>Alarm type</b>	Sound, Flash LED, Email, SMS, Warning on device management page
<b>Network</b>	<b>Log download</b>	Auto-download by USB flash drive, Remote backup via web browsing
	<b>Protocol</b>	RTSP / ONVIF / PSIA / iSCSI / NFS / CIFS / FTP / HTTP / AFP
<b>External port</b>	<b>Data port</b>	2 (can be expanded to 6), 10M/100M/1000M self-adaptive Ethernet interface
	<b>Management port</b>	1, 10M/100M/1000M self-adaptive Ethernet interface
	<b>SAS expansion port</b>	1 (6Gbps)
	<b>VGA output</b>	1
	<b>COM interface</b>	2 (1 for hyper terminal and 1 for mobile phone alarm / UPS)
	<b>USB interface</b>	2
<b>Others</b>	<b>Power supply</b>	Redundant (1+1); single power available
	<b>Power consumption</b>	Max.460W (with hard disk, redundant power); Max.400W(with hard disk, single power)
	<b>Temperature</b>	Operating: 5°C-40°C; Storage: -20°C-70°C
	<b>Humidity</b>	Operating: 20%-80% RH( non-freezing, non-condensing); Storage: 5%-90% RH( non-freezing, non-condensing)
	<b>Chassis</b>	Standard 19-inch rack-mounted 3U chassis
	<b>Dimensions (W×H×D)</b>	440×132×480mm
	<b>Weight</b>	Approx.20Kg (without hard disk, redundant power); Approx.18.5Kg (without hard disk, single power)