

## DS-A82 Series CVR Network Storage



### Introduction

The DS-A82 series is a dual controller network storage for large-scale project with high demands on data safety. Redundant design improves system reliability. Integrated with CVR feature, it offers direct storage for video streams.

### Features

#### Reliable System

- Modular and no-cable design.
- Dual controller.
- Real-time cache.
- Optional BBU (Backup Battery Unit).

#### High-Performance and Extendable Hardware Platform

- 64-bit multi-core processor.
- SBB 2.0 structure.
- PCI-E 2.0 bus.
- SAS 2.0 high-speed transmission channel.
- Four 1000M Ethernet interfaces per controller.
- SAS interface for storage enclosure.
- High-density chassis. 2U chassis: 12 HDDs. 4U chassis: 24 HDDs.

#### HDD Detection and Repair/RAID Optimization

- Detection before operation.
- Detection in operation.
- Fault repair.
- RAID 0, 1, 3, 5, 6, 10, 50.
- Global and local hot spare.
- Supports building RAID with surveillance-class HDD.
- Quick RAID building.
- Capability of cascading up to two storage enclosures behind a single SAS port.

#### Advanced Data Protection

- Synchronous backup of key information in system disk and HDD.
- RAID-based tamper-proof data technology.
- Auto data synchronization between devices.

#### Energy Efficient

- CPU load balance.
- Auto fan tuning.

#### User-Friendly UI

- Quick configuration.
- Various alarm management.
- SADP protocol supported.
- SNMP supported.

#### Surveillance-Specialized Stream Media Direct Storage (CVR)

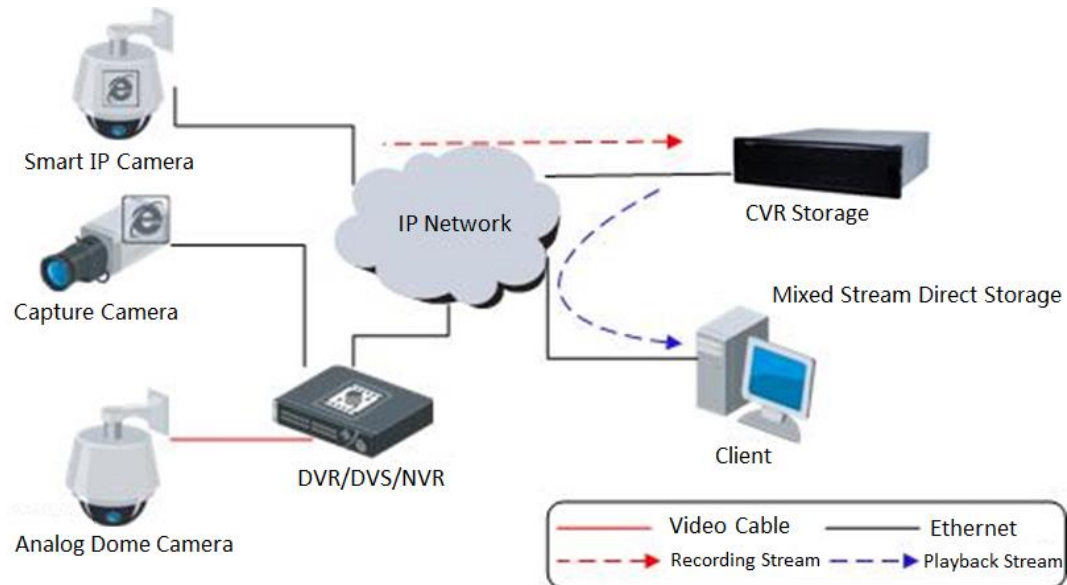
- Space pre-allocation strategy.
- Direct storage for video stream and picture stream.
- Supports direct IP camera/DVR/NVR streaming and recording.
- Supports camera access through RTSP, ONVIF, and PSIA protocol.
- Supports alarm/scheduled/manual recording.
- N+1 technology.
- Automatic network replenishment (ANR), timely uploading, and video loss alarm.
- Lock key videos.
- Supports both CVR and IPSAN.
- Search, play, and download videos by video type or video time.



## Specification

| Model                 |  | DS-A82012D   | DS-A82024D  |  |
|-----------------------|--|--|---|--|
| Performance           | Recording mode: video (2 Mbps) + picture | 448-ch (recording + playback)  |   |  |
|                       | IPSAN                                    | 256-ch (recording + playback)  |   |  |
| Controller            | Controller                               | Dual controller  |   |  |
|                       | Processor                                | 64-bit multi-core processor  |   |  |
|                       | Cache per controller                     | 4 GB (extendable to 16 GB)/controller  | 8 GB (extendable to 32 GB)/controller   |  |
| HDD                   | HDD slot                                 | 12   | 24  |  |
|                       | Interface/capacity                       | SSD (optional), SAS/1TB, 2TB, 3TB, 4TB, 6TB  |   |  |
|                       | Hot-swapping                             | Supported  |   |  |
|                       | RAID                                     | RAID0, 1, 3, 5, 6, 10, 50, JBOD, Hot-Spare   |   |  |
| Network               | Protocol                                 | iSCSI, RTSP, ONVIF, PSIA   |   |  |
| Interfaces            | Data network interface per controller    | 4, 1000M Ethernet interface (extendable to 4 × GbE or 2 × 10GbE)   |   |  |
|                       | Management network interface             | 1, 1000M Ethernet interface/Controller   |   |  |
|                       | MiniSAS interface                        | Supported  |   |  |
|                       | COM per controller                       | 2: 1 for Hyper Terminal, 1 for UPS   |   |  |
|                       | USB per controller                       | 2  |   |  |
| General               | Power supply                             | Redundant  | Redundant (AC is optional)  |  |
|                       | Consumption (with HDDs)                  | <ul style="list-style-type: none"> <li>● Working: ≤ 265 W (904 BTU with 12 HDDs);</li> <li>● Rated: ≤ 595 W</li> </ul>                                     | <ul style="list-style-type: none"> <li>● Working: ≤ 507 W (1729 BTU with 24 HDDs);</li> <li>● Rated: ≤ 800 W</li> </ul> |  |
|                       | Environment temperature                  | <ul style="list-style-type: none"> <li>● Working: +5 °C to +35 °C (41 °F to 95 °F)</li> <li>● Storing: -20 °C to +70 °C (-4 °F to 158 °F)</li> </ul>       |   |  |
|                       | Environment humidity                     | <ul style="list-style-type: none"> <li>● Working: 20% to 80%RH (non-condensing/frozen);</li> <li>● Storing: 5% to 90%RH (non-condensing/frozen)</li> </ul> |   |  |
|                       | Chassis                                  | 19-inch 2U   | 19-inch 4U  |  |
|                       | Dimensions (W × H × D)                   | 486 × 87 × 570 mm (19.1 × 3.4 × 22.4 in)   | 447 × 172 × 550 mm (17.6 × 6.8 × 21.7 in)   |  |
| Weight (without HDDs) | ≤ 20 Kg (44.1 lb)                        | ≤ 33.5 Kg (73.9 lb)  |   |  |

## Typical Application



## Available Models

DS-A82012D, DS-A82024D

Distributed by



## HIKVISION®

### Headquarters

No.555 Qianmo Road, Binjiang District,  
Hangzhou 310051, China  
T +86-571-8807-5998  
overseasbusiness@hikvision.com

**Hikvision USA**  
T +1-909-895-0400  
sales.usa@hikvision.com

**Hikvision Italy**  
T +39-0438-6902  
info.it@hikvision.com

**Hikvision Singapore**  
T +65-6684-4718  
sg@hikvision.com

**Hikvision Africa**  
T +27 (10) 0351172  
sale.africa@hikvision.com

**Hikvision Europe**  
T +31-23-55-42-770  
info.eu@hikvision.com

**Hikvision France**  
T +33(0)1-85-330-450  
info.fr@hikvision.com

**Hikvision Oceania**  
T +61-2-8599-4233  
salesau@hikvision.com

**Hikvision Hong Kong**  
T +852-2151-1761

**Hikvision Middle East**  
T +971-4-8816086  
salesme@hikvision.com

**Hikvision Spain**  
T +34-91-737-16-55  
info.es@hikvision.com

**Hikvision Canada**  
T +1-909-895-0400  
sales.usa@hikvision.com

**Hikvision Russia**  
T +7-495-669-67-99  
saleru@hikvision.com

**Hikvision Poland**  
T +48-22-460-01-50  
poland@hikvision.com

**Hikvision Korea**  
T +82-31-731-8841  
sales.korea@hikvision.com

**Hikvision India**  
T +91-22-28469900  
sales@pramahikvision.com

**Hikvision UK**  
T +01628-902140  
support.uk@hikvision.com

**Hikvision Brazil**  
T +55 11 3318-0050  
Latam.support@hikvision.com