

## DS-A80624SI 24-slot Single Controller Storage



The DS-A80 series is an economical and reliable network storage product. Hikvision network storage product creates a network with access to data storage servers, and it integrates Hikvision's unique video direct streaming technology. The system supports third-party cameras such as BOSCH, AXIS, SONY, Samsung, etc., and supports RTSP and ONVIF protocols, and extended data retention. With no recording server needed, Hikvision's network storage systems truly make applications simple, flexible, and budget-friendly.

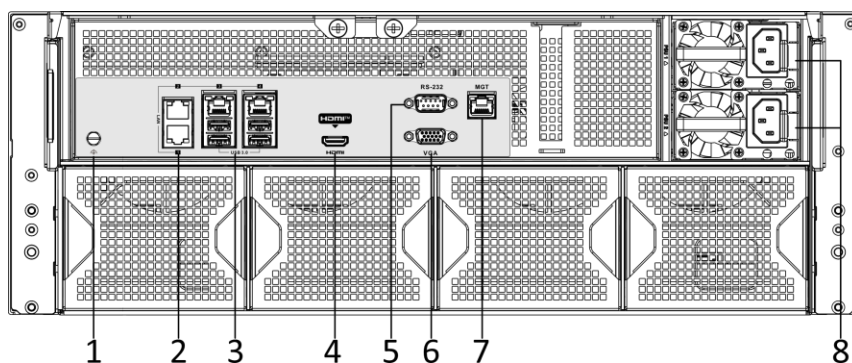
- High-quality recorder capable of storage and adopts multiple advanced technologies, including direct streaming video and picture technology, VRAID technology etc.
- Modular and no-cable design.
- Support scheduled backup function, allow the configuration of schedule to transfer historical recordings from IPC/NVR/DVR devices to network storage.
- Connectable to encoding devices (IPC/DVR/NVR) using standard stream media protocol such as RTSP, ONVIF etc
- Support multiple recording types, including continuous recording, manual recording, main, sub and third stream recording; motion recording, sensor alarm recording etc.
- Support one-touch quick setting with user friendly B/S interface.
- Adopt ANR technology to ensure data integrity when the network disconnected.

## ▪ Specification

| System                                  |                                                                                                                                                                                          |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Main Processor                          | 64-bit multi-core processor                                                                                                                                                              |
| Operating System                        | LINUX FAROS                                                                                                                                                                              |
| Operating Interface                     | Web                                                                                                                                                                                      |
| Controller                              | Single controller                                                                                                                                                                        |
| Cache                                   | 16 GB by default (extendable to 64 GB)                                                                                                                                                   |
| Failover                                |                                                                                                                                                                                          |
| Failover                                | N+1                                                                                                                                                                                      |
| Video Protection                        |                                                                                                                                                                                          |
| Backup                                  | Recording Backup                                                                                                                                                                         |
| Video Protection                        | ANR                                                                                                                                                                                      |
| Audio and Video                         |                                                                                                                                                                                          |
| Access Channel                          | 550                                                                                                                                                                                      |
| Multi-Screen Display                    | Customized display, max 16-channel web live view                                                                                                                                         |
| Third-Party Camera Access               | ONVIF; RTSP                                                                                                                                                                              |
| Compression Standard                    |                                                                                                                                                                                          |
| Video Compression                       | H.265+; H.265; H.264+; H.264                                                                                                                                                             |
| Audio Compression                       | G.711ulaw; G.711alaw; G.722; G.726; AAC; MP2L2                                                                                                                                           |
| Network                                 |                                                                                                                                                                                          |
| Network Protocol                        | HTTP; HTTPS; IPv4; SMTP; NTP; DHCP; DNS; SNMP; SADP                                                                                                                                      |
| Interoperability                        | ONVIF (ProfileS,T); ISAPI; SDK                                                                                                                                                           |
| Browser                                 | Chrome; Firefox; Edge; Safari                                                                                                                                                            |
| Network Mode                            | Active-Backup; XOR Mode; 802.3ad; Self-Adaptive Load Balancing (Virtualized)                                                                                                             |
| Recording Playback                      |                                                                                                                                                                                          |
| Multi-Channel Playback                  | Web playback, max 16-channel playback                                                                                                                                                    |
| Recording Management                    | Recording modes: continuous, event-based, motion detection. Supports locking key video                                                                                                   |
| Playback Function                       | 1. Play, pause, stop, fast forward, fast backward, reverse playback, single frame<br>2. Full screen, backup (clip/file), capture, digital zoom, audio on/off, aspect ratio, window split |
| Performance Parameter                   |                                                                                                                                                                                          |
| Video Direct Storage (Timed Recording)  | Incoming: 550-channel (bandwidth: 1100 Mbps)<br>Outgoing: bandwidth: 110 Mbps<br>Playback: 55-channel (bandwidth: 110 Mbps)                                                              |
| Video Direct Storage (Event Recording)  | Incoming: 200-channel (bandwidth: 400 Mbps)<br>Outgoing: bandwidth: 110 Mbps<br>Playback: 55-channel (bandwidth: 110 Mbps)                                                               |
| Video Direct Storage (Recording Backup) | Incoming: 275-channel (bandwidth: 1100 Mbps)<br>Outgoing: bandwidth: 110 Mbps<br>Playback: 55-channel (bandwidth: 110 Mbps)                                                              |
| Picture Direct Storage                  | Incoming: bandwidth: 1100 Mbps (275 images/s @ 500KB/image)<br>Outgoing: bandwidth: 110 Mbps                                                                                             |
| Storage                                 |                                                                                                                                                                                          |
| RAID                                    | RAID0, RAID1, RAID5, RAID6, RAID10, RAID50, RAID60, RAID5(VRAID), RAID6(VRAID), Hot-Spare                                                                                                |

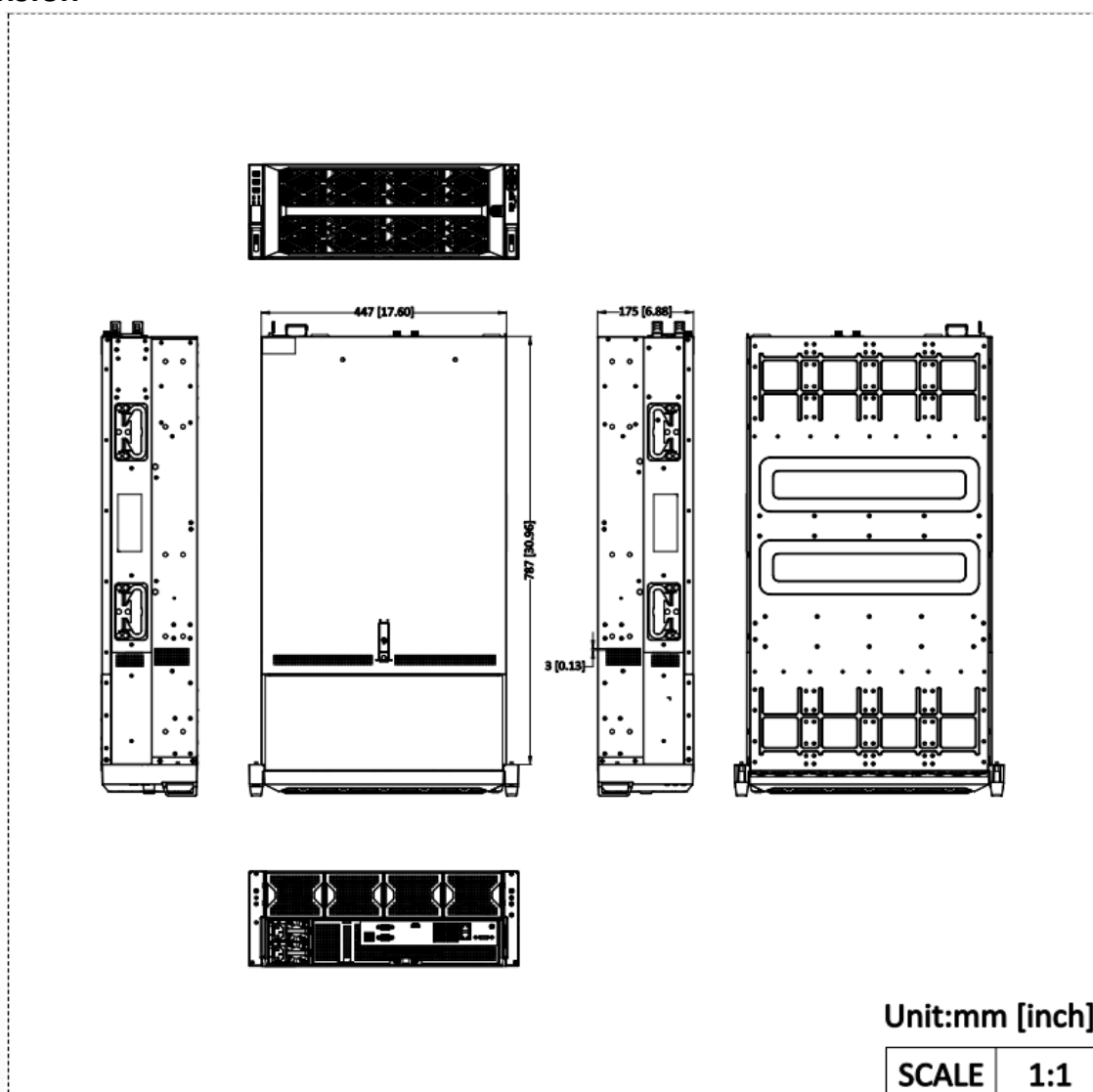
|                              |                                                                                                                            |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Storage Pool                 | Video and Picture pool management                                                                                          |
| HDD slot                     | 24                                                                                                                         |
| HDD Interface/Capacity       | SATA/4 TB, 6 TB, 8 TB, 10 TB, 16 TB, 20 TB                                                                                 |
| HDD Hot-Swapping             | Supported                                                                                                                  |
| HDD support                  | Enterprise Hard Disk                                                                                                       |
| Disk Management              | Disk inspection, smart alarm and repair                                                                                    |
| <b>Device Maintenance</b>    |                                                                                                                            |
| Alarm Linkage                | Sound, notifying surveillance center, sending email, recording linkage                                                     |
| Anomaly Alarm                | Storage exception, network exception, power exception, temperature exception, fan malfunction                              |
| Log Downloading              | Download on web page                                                                                                       |
| <b>Port</b>                  |                                                                                                                            |
| HDMI                         | 1 × Rear                                                                                                                   |
| VGA                          | 1 × Front; 1 × Rear                                                                                                        |
| COM                          | 1 × RS-232 serial interface                                                                                                |
| USB                          | 2 × USB 2.0 (Front)<br>4 × USB 3.0 (Rear)                                                                                  |
| Management Network Interface | 1 × 1G Ethernet interface                                                                                                  |
| Data Network Interface       | 4 × 2.5G Ethernet interface                                                                                                |
| Network Port Extension       | 4 × GbE or 2 × GbE or 1 × GbE or 2 × 10GbE (optional)                                                                      |
| Indicator                    | Hdd indicator, power indicator, location indicator, status indicator, network indicator, alarm indicator                   |
| <b>General Specification</b> |                                                                                                                            |
| Chassis                      | 4U                                                                                                                         |
| Power Supply                 | 100-240 VAC, 50/60Hz, 2 redundant power supply                                                                             |
| Power consumption            | Working(all HDDs connected): ≤ 520W(1775 BTU/hr)<br>Working(without HDD): ≤ 235W(802 BTU/hr)<br>Rated: ≤ 550W(1876 BTU/hr) |
| Fan                          | Intelligent speed regulation fan                                                                                           |
| Net Weight                   | 29 kg (63.93 lb)                                                                                                           |
| Gross Weight                 | 45 kg (99.21 lb)                                                                                                           |
| Dimension (W × H × D)        | 447 × 175 × 787 mm (17.6 × 6.88 × 30.96 in)                                                                                |
| Working temperature          | 5 °C to 40 °C (+41 °F to +104 °F)                                                                                          |
| Working humidity             | 20% to 80%RH (non-condensing/frozen)                                                                                       |
| Storage temperature          | -20 °C to 70 °C (-4 °F to +158 °F)                                                                                         |
| Storage humidity             | 5% to 90%RH (non-condensing/frozen)                                                                                        |
| Installation                 | Standard 19 inch rack                                                                                                      |
| Language                     | English, Vietnamese, Thai, Turkish, Arabic, Spanish, Portuguese, Russian, Chinese                                          |
| VMS Support                  | HCP, HCM                                                                                                                   |
| Slide                        | Provided as accessory                                                                                                      |
| Certifications               | CB,CE-EMC,CE-LVD,RCM,Transport Identification                                                                              |

## ▪ Physical Interface



| Number | Description           | Number | Description                  |
|--------|-----------------------|--------|------------------------------|
| 1      | GND                   | 5      | RS-232 interface             |
| 2      | LAN network interface | 6      | VGA interface                |
| 3      | USB 3.0               | 7      | Management network interface |
| 4      | HDMI interface        | 8      | Power supply                 |

## Dimension



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