

Product Specifications

DVA7400

Synology

Hardware Specs

Models

CPU

CPU Model	AMD V1780B
CPU Architecture	64-bit
CPU Frequency	Quad Core 3.35 (base) / 3.6 (turbo) GHz
Hardware Encryption Engine (AES-NI)	v

Memory

System Memory	16GB DDR4 ECC UDIMM
Memory Module Pre-installed	16GB
Total Memory Slots	2
Maximum Memory Capacity	32 GB (16 GB x 2)
Notes	• Synology may revise pre-installed memory module specifications in response to component lifecycle and supply conditions. All revised components undergo the same rigorous validation to ensure equivalent compatibility, stability, and performance. • Please select Synology memory modules for optimum compatibility and reliability. Synology will not provide complete product warranty or technical support if non-Synology memory modules are used for memory expansion. • For information about recommended memory configurations, please check the Product Manual of your Synology product.

Storage

Drive Bays	12
Compatible Drive Type* (See all supported drives)	• 3.5" SATA HDD • 2.5" SATA SSD
Hot Swappable Drive*	v
Notes	Synology only guarantees full functionality, reliability, and performance for Synology drives listed on the compatibility list . The use of non-validated components may limit certain functionality and result in data loss and system instability.

External Ports

Out-of-Band Management LAN Port	1
RJ-45 10GbE LAN Port	2
USB 3.0 Port	2

Appearance

Size (Height × Width × Depth)	88 mm x 482 mm x 578 mm
Weight	12.24 kg

Others	
Wake on LAN / WAN	v
System Fan	60 mm x 60 mm x 38 mm x 3 pcs
Fan Speed Mode	• Cool Mode • Quiet Mode • Full-Speed Mode
Power Recovery	v
Noise Level	51.8 dB(A)
Scheduled Power On / Off	v
Power Supply Unit / Adapter	800 W
AC Input Power Voltage	100 V to 240 V AC
Power Frequency	50/60 Hz, Single Phase
Power Consumption	131.12 W (Access) 51.95 W (HDD Hibernation)
British Thermal Unit	447.12 BTU/hr (Access) 177.15 BTU/hr (HDD Hibernation)
Notes	• For more information on how power consumption is measured, refer to this article. • Noise testing was conducted with the Synology system fully installed with Synology SATA SSDs and in an idle state. Two G.R.A.S. type 40AE microphones were placed at a 1 m distance from the front and rear of the device. Background noise: 16.49-17.51 dB(A); Temperature: 24.25-25.75°C; Humidity: 58.2-61.8%.

Temperature

Operating Temperature	0°C to 35°C (32°F to 95°F)
Storage Temperature	-20°C to 60°C (-5°F to 140°F)
Relative Humidity	5% to 95% RH

Certification

- FCC
- CE
- BSMI
- VCCI
- RCM
- UKCA
- KC

Warranty

3 Years

Notes	The warranty period starts from the purchase date as stated on your purchase receipt. (Learn more)
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Environment

RoHS Compliant

Packaging Content

- Main Unit × 1
- Accessory Pack × 1
- AC Power Cord × 2
- Quick Installation Guide × 1

Optional Accessories

- Plus Series 3.5" SATA HDD: [HAT3300 Series](#)
 - DDR4 ECC U-DIMM: D4EU02-16GB
 - Enterprise Series 3.5" SATA HDD: [HAT5300 Series](#)
 - Enterprise Series 2.5" SATA SSD: [SAT5200 Series](#)
 - Surveillance Device License Pack
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Software Specs

Surveillance Station

Video Analysis

Deep Video Analytics Features

- Semantic Video Search
- Attribute Search
- People and vehicle detection (with license plate recognition)
- People counting
- Vehicle counting
- Intrusion detection
- Face recognition

Deep Video Analytics Tasks

- People and vehicle detection: up to 40 tasks
- People counting: up to 40 tasks
- Vehicle counting: up to 40 tasks
- Intrusion detection: up to 40 tasks
- Face recognition: up to 20 tasks
- License plate recognition: up to 20 tasks

Maximum Number of Registrations Supported by Face Database

10,000

General Specifications

Default Licenses	2 (Additional cameras require purchase of licenses)
Maximum IP Cameras and Total FPS (H.264)	1080p: 100 channels, 1500 FPS • 3M: 85 channels, 850 FPS • 5M: 60 channels, 600 FPS • 4K: 40 channels, 400 FPS
Maximum IP Cameras and Total FPS (H.265)	1080p: 100 channels, 3000 FPS • 3M: 100 channels, 1400 FPS • 5M: 85 channels, 850 FPS • 4K: 50 channels, 500 FPS
Video Codecs	• H.264 • H.264+ • H.265 • H.265+ • MJPEG • MPEG-4
Audio Codecs	• AMR • G711 • G726 • PCM
Notes	Actual system capabilities may differ depending on system configuration, drive performance, number of features enabled, and if additional workloads are present.

System Services

File System

Internal Drives	• Btrfs
External Drives	• Btrfs • ext4 • ext3 • FAT32 • NTFS • HFS+ • exFAT

Storage Management

Maximum Single Volume Size	• 108 TB • 200 TB (32 GB memory required)
Maximum Internal Volume Number	32
Supported RAID Type	• Synology Hybrid RAID • Basic • JBOD • RAID 0 • RAID 1 • RAID 5 • RAID 6 • RAID 10
RAID Migration	• Basic to RAID 1 • Basic to RAID 5 • RAID 1 to RAID 5 • RAID 5 to RAID 6
Volume Expansion with Larger HDDs	• Synology Hybrid RAID • RAID 10 • RAID 1 • RAID 5 • RAID 6
Volume Expansion by Adding a HDD	• Synology Hybrid RAID • JBOD • RAID 5 • RAID 6
Global Hot Spare Supported RAID Type	• Synology Hybrid RAID • RAID 1 • RAID 5 • RAID 6 • RAID 10

File Services

File Protocol	SMB/AFP/NFS/FTP/WebDAV
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Account & Shared Folder

Maximum Local User Accounts	2,048
Maximum Local Groups	256
Maximum Shared Folder	512

General Specifications

Networking Protocols	SMB1 (CIFS), SMB2, SMB3, NFSv3, NFSv4, NFSv4.1, NFS Kerberized sessions, iSCSI, HTTP, HTTPS, FTP, SNMP, LDAP, CalDAV
Supported Browsers	Google Chrome
Supported Language	English, Deutsch, Français, Italiano, Español, Dansk, Norsk, Svenska, Nederlands, Русский, Polski, Magyar, Português do Brasil, Português Europeu, Türkçe, Český, ภาษาไทย, 日本語, 한국어, 繁體中文, 简体中文

Add-on Packages

VPN Server

Maximum Connections	40
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