Product

DVA1622

Hardware Specs

Models

CPU	
CPU Model	Intel Celeron J4125
CPU Architecture	64-bit
CPU Frequency	Quad Core 2.0 (base) / 2.7 (burst) GHz
Hardware Encryption Engine (AES-NI)	v
GPU	
GPU Model	Intel UHD Graphics 600
Video Outputs	
Video Outputs	HDMI X 1
Supported Video Resolution	1080p 60Hz
Memory	
System Memory	6 GB DDR4 non-ECC
Memory Module Pre-installed	6 GB (2 GB + 4 GB)
Notes	Synology reserves the right to replace memory modules with the same or higher frequency based on supplier's product life cycle status. Rest assured that the compatibility and stability have been strictly verified with the same benchmark to ensure identical performance.
Storage	
Drive Bays	2
Compatible Drive Type* (See all supported drives)	3.5" SATA HDD

Hot Swappable Drive*	v
Notes	"Compatible drive type" indicates drives that have been tested to be compatible with Synology products. This term does not indicate the maximum connection speed of each drive bay.

External Ports

RJ-45 1GbE LAN Port	1
USB 3.0 Port	2

Appearance

Size (Height x Width x Depth)	166 mm x 106 mm x 223 mm
Weight	1.51 kg

Others

Wake on LAN / WAN	v
System Fan	92 mm x 92 mm x 1 pcs
Fan Speed Mode	• Cool Mode • Quiet Mode • Full-Speed Mode
Power Recovery	v
Noise Level*	18.4 dB(A)
Scheduled Power On / Off	v
Power Supply Unit / Adapter	60 W
AC Input Power Voltage	100 V to 240 V AC
Power Frequency	50/60 Hz, Single Phase
Power Consumption	19.93 W (Access) 4.02 W (HDD Hibernation)
British Thermal Unit	67.96 BTU/hr (Access) 13.71 BTU/hr (HDD Hibernation)

Notes	- For more information on how power consumption is measured, refer to this article. - Noise Level Testing Environment: Fully loaded with Seagate 2TB ST2000VN000 hard drive(s) in the idle state. Two G.R.A.S. Type 40AE microphones, each set up 1 meter away from the Synology NAS at the front and rear. 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 40°C (32°F to 104°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
- EAC
- KC

Warranty

3-year hardware warranty, extendable to 5 years with EW201 or Extended Warranty Plus

Notes	- Availability varies by region. Before purchasing, please visit the official web pages of EW201/202 and Extended Warranty Plus for a list of eligible regions. - The warranty period starts from the purchase date as stated on your purchase receipt. (Learn more)

Environment

RoHS Compliant

Packaging Content

- Main Unit X 1
- Accessory Pack X 1
- AC Power Adapter X 1
- AC Power Cord X 1
- RJ-45 LAN Cable X 1
- Quick Installation Guide X 1

Optional Accessories

- 3.5" SATA HDD: HAT5300
- Surveillance Device License Pack

Software Specs

Surveillance Station

Video Analysis

Deep Video Analytics Features	- People and vehicle detection (with license plate recognition) - People counting - Vehicle counting - Intrusion detection - Face recognition
Deep Video Analytics Tasks	- People and vehicle detection (with license plate recognition): up to 2 tasks - People counting: up to 2 tasks - Vehicle counting: up to 2 tasks - Intrusion detection (detecting specific objects): up to 2 tasks - Face recognition: up to 1 task
Maximum Number of Registrations Supported by Face Database	10,000

General Specifications

Maximum IP cam (Licenses required)	16 (including 8 free licenses) (see all supported IP cameras)

Total FPS (H.264)	480 FPS @ 720p (1280×720), 16 Channels 285 FPS @ 1080p (1920×1080), 16 Channels 160 FPS @ 3M (2048×1536), 16 Channels 120 FPS @ 5M (2591×1944), 12 Channels 80 FPS @ 4K (3840×2160), 8 Channels
Total FPS (H.265)	480 FPS @ 720p (1280×720), 16 Channels 350 FPS @ 1080p (1920×1080), 16 Channels 190 FPS @ 3M (2048×1536), 16 Channels 120 FPS @ 5M (2591×1944), 12 Channels 80 FPS @ 4K (3840×2160), 8 Channels
Video Codecs	• H.264 • H.264+ • H.265 • H.265+ • MJPEG • MPEG-4 • MxPEG (not supported by Deep Video Analytics tasks)
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. • Maximum IP cameras and FPS figures are tested with the device fully populated with drives and under a continuous recording setup.

System Services

File System	
Internal Drives	• Btrfs • EXT4
External Drives	• Btrfs • EXT4 • EXT3 • FAT • NTFS • HFS+ • exFAT

Storage Management

Maximum Single Volume Size*	108 TB
Maximum Internal Volume Number	64
Supported RAID Type	- Synology Hybrid RAID - Basic - JBOD - RAID 0 - RAID 1
RAID Migration	Basic to RAID 1
Volume Expansion with Larger HDDs	- Synology Hybrid RAID - RAID 1
Volume Expansion by Adding a HDD	Synology Hybrid RAID
Notes	- Actual maximum storage pool and volume sizes depend on drive sizes used, the number of drive bays available, and the RAID configuration. - Usable capacity for each volume will be lower than the maximum volume size and is dependent on the filesystem and the amount of system metadata stored.

File Services

File Protocol	SMB/AFP/NFS/FTP/WebDAV

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 view the complete package list

VPN Server	
Maximum Connections	40