

# Deep Learning NVR Series DVA3221



**Brand:** Synology

**Product Code:** DVA3221

**Availability:** 10

**Weight:** 4.92kg

**Dimensions:** 166.00mm x 250.00mm x  
237.00mm

**Call for Price:**

## Short Description

Synology 4 Bay DVA Deep Learning Video Analytics DVA3221 (Diskless)

## Description

### Smarter surveillance

Combine the comprehensive video management features in [Synology Surveillance Station](#) with advanced analytics to speed up incident response and collect better business intelligence.



### AI-powered insights

Bolster the security of your premises while increasing efficiency.



## **Versatile monitoring**

Watch over your deployment in the way that works best for you.



## **Easy deployment**

Quickly set up your surveillance system with minimal effort.

## **Advanced analytics platform**

Monitor and secure your premises more effectively with locally processed analytics, ensuring security and confidentiality.

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### **Deep Learning NVR Series**

#### **People & Vehicle Detection**

Trigger immediate or threshold-based alerts using idle times within defined zones for people or vehicles.

**License Plate Recognition**

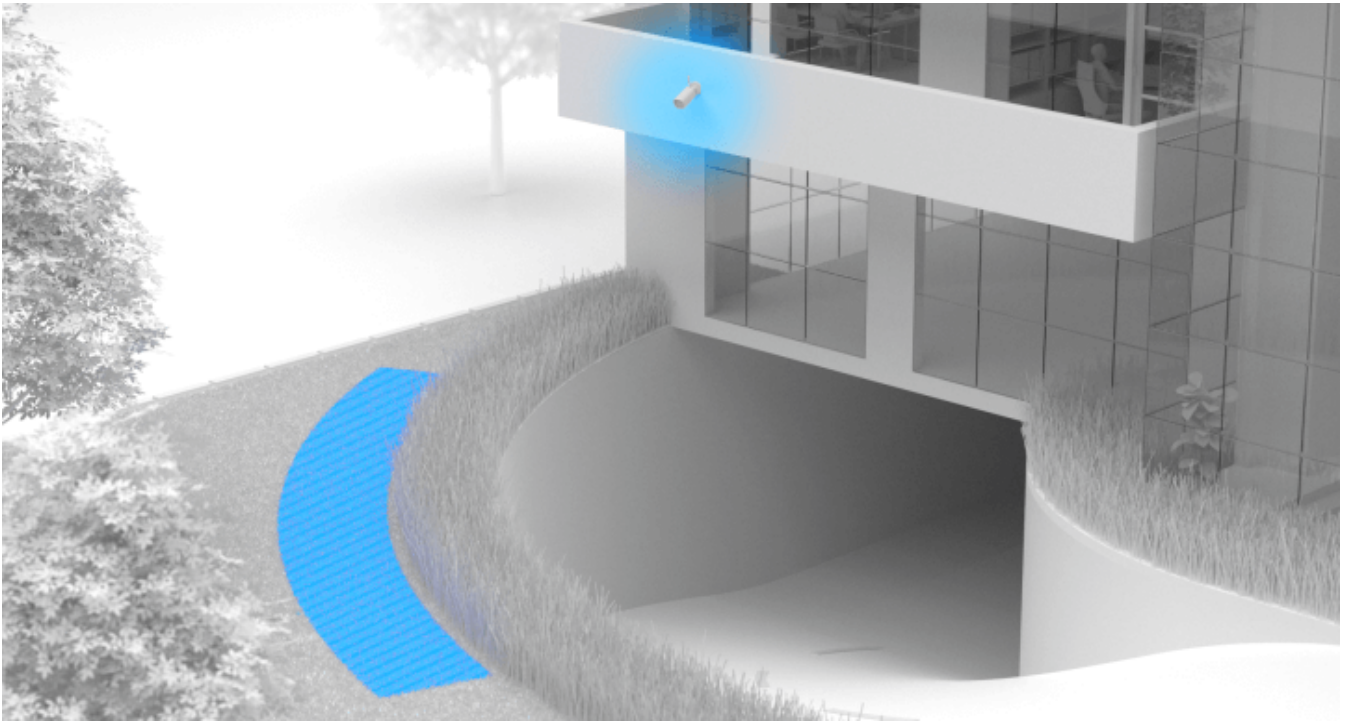
**Intrusion Detection**

**People & Vehicle Counting**

**Congestion Alerts**

**Face Recognition**

**Face Covering Detection**



## **Flexible monitoring capabilities**

Leverage highly configurable options and automation features to act quickly when potentially dangerous situations arise.

## **Map-supported alerts**

Display real-time previews of detected events on interactive multi-floor and multi-site maps supported by Google Maps and OpenStreetMap.

## **Automation rules**

Reduce workloads by triggering responses to specific situations, such as activating recording when a microswitch detects a door is opened.

## **Notifications**

Specify which events should trigger a notification, and whether to receive alerts by SMS, email, or push notification on mobile devices.

## **Comprehensive access options**

Enjoy a uniform monitoring experience wherever you are and adapt your surveillance

system to your needs — not the other way around.

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### **Space-saving installation**

Minimize the footprint of your monitoring setup. The DVA1622's local management capabilities make it an ideal solution for compact home surveillance systems and security kiosks when available space is limited.

### **High definition video output**

Connect an external display directly to the built-in HDMI port to start monitoring your premises in minutes.

### **Local management**

Control your Surveillance Station installation without setting up a dedicated PC by attaching a mouse and keyboard directly to the DVA1622.

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### **Anytime, anywhere surveillance**

Investigate incidents from anywhere to minimize reaction times and take appropriate action faster.



## **Multi-platform support**

Monitor streams in real time or browse recorded footage seamlessly from browsers, desktop clients, and mobile apps.

## **Monitoring on the go**

Install the DS cam app on your iOS and Android mobile devices to always have a monitoring option on hand.

## **Deploy and protect with ease**

Get large or multi-site surveillance systems up and running easily while keeping recordings safe from malfunctions and third-party attacks.

## **Wide compatibility**

Pick from 8,300+ Synology-validated models or leverage ONVIF support for even more flexibility.

## Multi-site management

Manage fleets of recording servers from a single interface.

## Granular delegation

Distribute monitoring and managing privileges flexibly.

### Software

### Software Specs

<a href="#">Surveillance Station</a>		DVA3221
Video Analysis	Deep Video Analytics Features	<ul style="list-style-type: none"><li>• People and vehicle detection (with license plate recognition)</li><li>• People counting</li><li>• Vehicle counting</li><li>• Intrusion detection</li><li>• Face recognition</li></ul>
	Deep Video Analytics Tasks	<ul style="list-style-type: none"><li>• People and vehicle detection (without license plate recognition): up to 12 tasks</li><li>• People and vehicle</li></ul>

		<p>detection (with license plate recognition): up to 6 tasks</p> <ul style="list-style-type: none"> <li>• People counting: up to 12 tasks</li> <li>• Vehicle counting: up to 12 tasks</li> <li>• Intrusion detection (detecting specific objects): up to 12 tasks</li> <li>• Face recognition: up to 6 tasks</li> </ul>
	<b>Maximum Number of Registrations Supported by Face Database</b>	10,000
	<b>Notes</b>	<ul style="list-style-type: none"> <li>• When recording in 4k resolution, the number of deep video analytics tasks is limited to 8. <a href="#">Learn more</a></li> <li>• DVA3221 supports recognizing license plates on vehicles moving at speeds up to 40 km/h.</li> </ul>
<b>General Specifications</b>	<b>Default Licenses</b>	8 ( <a href="#">Additional cameras require purchase of licenses</a> )
	<b>Suggested Maximum IP Cameras and Total FPS (H.264)</b>	<ul style="list-style-type: none"> <li>• 720p: 32 channels, 960 FPS</li> <li>• 1080p: 32 channels, 448 FPS</li> <li>• 3M: 28 channels, 280 FPS</li> <li>• 5M: 19 channels, 190 FPS</li> <li>• 4K: 13 channels, 130 FPS</li> </ul>
	<b>Suggested Maximum IP Cameras and Total FPS</b>	<ul style="list-style-type: none"> <li>• 720p: 32 channels, 960 FPS</li> </ul>

	<b>(H.265)</b>	<ul style="list-style-type: none"> <li>• 1080p: 32 channels, 960 FPS</li> <li>• 3M: 32 channels, 320 FPS</li> <li>• 5M: 20 channels, 200 FPS</li> <li>• 4K: 15 channels, 150 FPS</li> </ul>
	<b>Video Codecs</b>	<ul style="list-style-type: none"> <li>• H.264</li> <li>• H.264+</li> <li>• H.265</li> <li>• H.265+</li> <li>• MJPEG</li> <li>• MPEG-4</li> <li>• MxPEG (not supported by Deep Video Analytics tasks)</li> </ul>
	<b>Audio Codecs</b>	<ul style="list-style-type: none"> <li>• AMR</li> <li>• G711</li> <li>• G726</li> <li>• PCM</li> </ul>
	<b>Notes</b>	
<a href="#">File System</a>	<b>Internal Drives</b>	<ul style="list-style-type: none"> <li>• Btrfs</li> <li>• ext4</li> </ul>
	<b>External Drives</b>	<ul style="list-style-type: none"> <li>• Btrfs</li> <li>• ext4</li> <li>• ext3</li> <li>• FAT</li> <li>• NTFS</li> <li>• HFS+</li> <li>• exFAT</li> </ul>
	<b>Notes</b>	exFAT Access can be installed for free from Package Center in DSM 7.0. In DSM 6.2 or earlier versions, exFAT Access needs to be purchased in Package Center.
<a href="#">Storage Management</a>	<b>Maximum Single Volume Size</b>	108 TB
	<b>Maximum Internal Volume</b>	64

<b>Number</b>	
<b>Supported RAID Type</b>	<ul style="list-style-type: none"> <li>• Synology Hybrid RAID</li> <li>• Basic</li> <li>• JBOD</li> <li>• RAID 0</li> <li>• RAID 1</li> <li>• RAID 5</li> <li>• RAID 6</li> <li>• RAID 10</li> </ul>
<b>RAID Migration</b>	<ul style="list-style-type: none"> <li>• Basic to RAID 1</li> <li>• Basic to RAID 5</li> <li>• RAID 1 to RAID 5</li> <li>• RAID 5 to RAID 6</li> </ul>
<b>Volume Expansion with Larger HDDs</b>	<ul style="list-style-type: none"> <li>• Synology Hybrid RAID</li> <li>• RAID 10</li> <li>• RAID 1</li> <li>• RAID 5</li> <li>• RAID 6</li> </ul>
<b>Volume Expansion by Adding a HDD</b>	<ul style="list-style-type: none"> <li>• Synology Hybrid RAID</li> <li>• JBOD</li> <li>• RAID 5</li> <li>• RAID 6 (with Expansion Unit)</li> </ul>
<b>Global Hot Spare Supported RAID Type</b>	<ul style="list-style-type: none"> <li>• Synology Hybrid RAID</li> <li>• RAID 1</li> <li>• RAID 5</li> <li>• RAID 6</li> <li>• RAID 10</li> </ul>
<b>Notes</b>	<ul style="list-style-type: none"> <li>• Each internal volume (may consist of multiple drives) is expandable up to 108TB.</li> <li>• Usable capacity for each volume will be lower than the maximum volume size and is dependent</li> </ul>

		on the filesystem and the amount of system metadata stored.
<a href="#">File Services</a>	<b>File Protocol</b>	SMB/AFP/NFS/FTP/WebDAV
<a href="#">Account &amp; Shared Folder</a>	<b>Maximum Local User Accounts</b>	2,048
	<b>Maximum Local Groups</b>	256
	<b>Maximum Shared Folder</b>	512
<a href="#">General Specifications</a>	<b>Networking Protocols</b>	SMB1 (CIFS), SMB2, SMB3, NFSv3, NFSv4, NFSv4.1, NFS Kerberized sessions, iSCSI, HTTP, HTTPS, FTP, SNMP, LDAP, CalDAV
	<b>Supported Browsers</b>	Google Chrome
	<b>Supported Language</b>	English, Deutsch, Français, Italiano, Español, Dansk, Norsk, Svenska, Nederlands, ???????, Polski, Magyar, Português do Brasil, Português Europeu, Türkçe, ?eský, ???????, ???, ???, ?????, ?????
<a href="#">VPN Server</a>	<b>Maximum Connections</b>	40

## Specification

NAS	
CPU Architecture	64-bit
CPU Frequency	Quad Core 2.1 GHz
CPU Model	Intel Atom C3538
Drive Bays	4
Hardware Encryption Engine (AES-NI)	Yes
Hot Swappable Drive	Yes
Maximum Memory Capacity	32 GB (16 GB x 2)
Memory	8 GB DDR4 non-ECC
Power Supply Unit / Adapter	250 W
RJ-45 1GbE LAN Port	4 (with Link Aggregation / Failover support)
System Fan	120 mm x 120 mm x 1 pcs

Total Memory Slots	2
USB 3.0 Port	3

## **Product Gallery**