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.

Deep Learning NVR Series

People & Vehicle Detection

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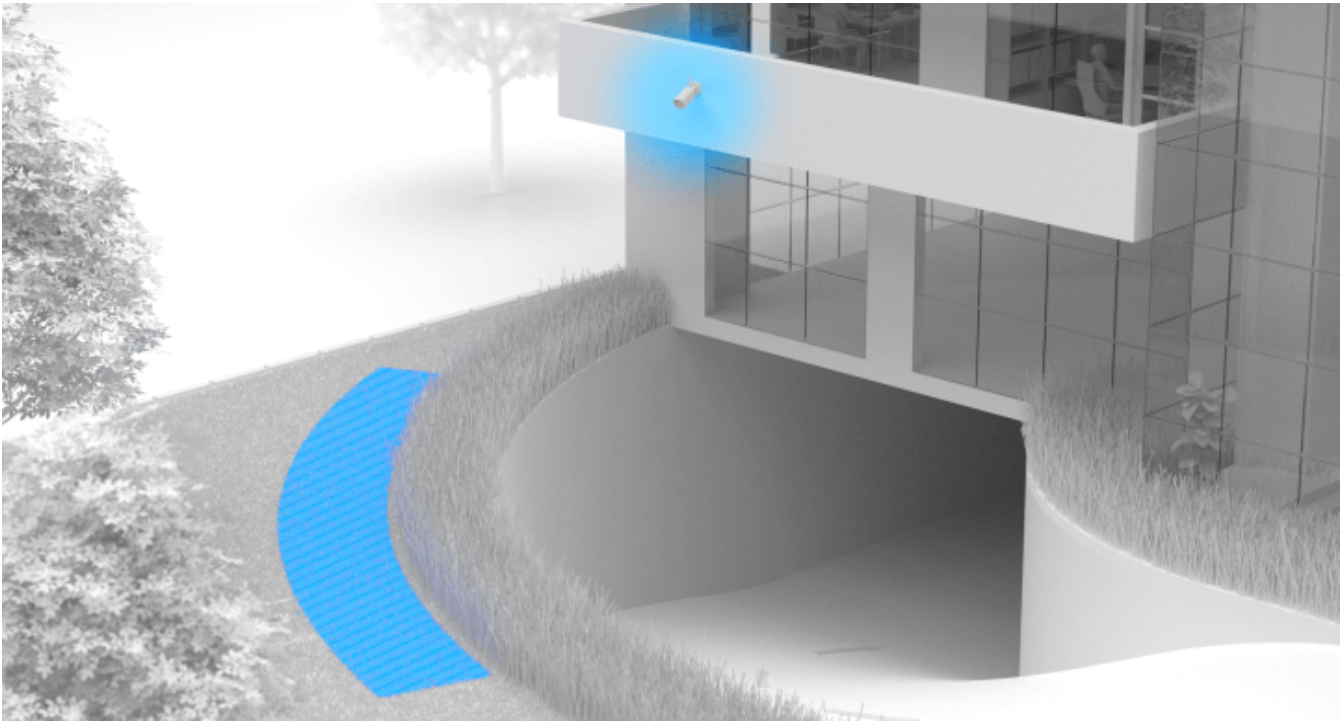
License Plate Recognition

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.

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.

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

Surveillance Station		DVA3221
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 (without license plate recognition): up to 12 tasks - People and vehicle

		detection (with license plate recognition): up to 6 tasks • People counting: up to 12 tasks • Vehicle counting: up to 12 tasks • Intrusion detection (detecting specific objects): up to 12 tasks • Face recognition: up to 6 tasks
	Maximum Number of Registrations Supported by Face Database	10,000
	Notes	• When recording in 4k resolution, the number of deep video analytics tasks is limited to 8. [Learn more](#) • DVA3221 supports recognizing license plates on vehicles moving at speeds up to 40 km/h.
General Specifications	**Default Licenses**	8 [(Additional cameras require purchase of licenses)](#)
	Suggested Maximum IP Cameras and Total FPS (H.264)	• 720p: 32 channels, 960 FPS • 1080p: 32 channels, 448 FPS • 3M: 28 channels, 280 FPS • 5M: 19 channels, 190 FPS • 4K: 13 channels, 130 FPS
	Suggested Maximum IP Cameras and Total FPS	• 720p: 32 channels, 960 FPS

	(H.265)	1080p: 32 channels, 960 FPS 3M: 32 channels, 320 FPS 5M: 20 channels, 200 FPS 4K: 15 channels, 150 FPS
	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	
File System	**Internal Drives**	- Btrfs - ext4
	External Drives	- Btrfs - ext4 - ext3 - FAT - NTFS - HFS+ - exFAT
	Notes	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.
Storage Management	**Maximum Single Volume Size**	108 TB
	Maximum Internal Volume	64

Number	
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 (with Expansion Unit)
Global Hot Spare Supported RAID Type	- Synology Hybrid RAID - RAID 1 - RAID 5 - RAID 6 - RAID 10
Notes	- Each internal volume (may consist of multiple drives) is expandable up to 108TB. - 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, ???????, Polski, Magyar, Português do Brasil, Português Europeu, Türkçe, ?eský, ???????, ???, ???, ????, ????
[VPN Server](#)	**Maximum Connections**	40

Specification

NAS	
CPU Model	Intel Atom C3538
CPU Architecture	64-bit
CPU Frequency	Quad Core 2.1 GHz
Memory	8 GB DDR4 non-ECC
Drive Bays	4
Hot Swappable Drive	Yes
RJ-45 1GbE LAN Port	4 (with Link Aggregation / Failover support)
System Fan	120 mm x 120 mm x 1 pcs
Power Supply Unit / Adapter	250 W
Total Memory Slots	2
Maximum Memory Capacity	32 GB (16 GB x 2)
USB 3.0 Port	3

Hardware Encryption Engine (AES-NI) old	Yes

Product Gallery