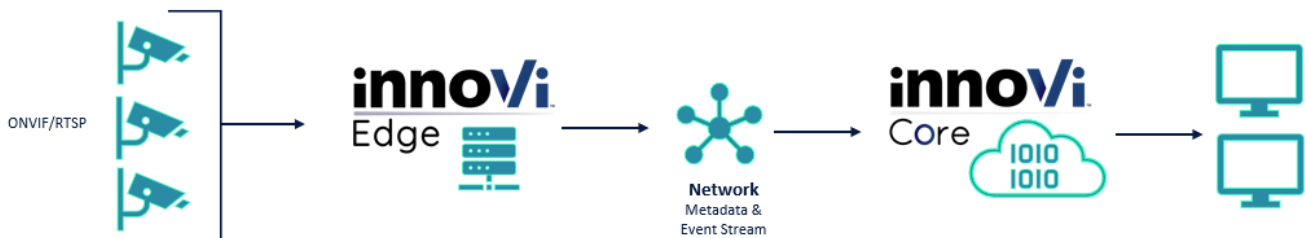


innovi Core Data Sheet (Ver. 27-Feb-2022) (for Customer Hosted deployments)

When installed at a customer's site, Agent Vi's innovi™ is comprised of (1) an innovi Core which performs all central management and advanced analysis and (2) a variable number of innovi Edges: innovi Edge appliance (320 or 325) or innovi Edge CI (Customer Installed), that process the video stream, transforming it into Agent Vi's proprietary metadata. The innovi Edges can be deployed anywhere in the network, from the Data Center hosting innovi Core to any remote site with connectivity to innovi Core over standard TCP/IP network.



Supported innovi products

innovi has 3 product tiers and license types. All three tiers are available both for the innovi Standard as well as the innovi Advanced configurations. innovi Product Tiers are:

- innovi Remote Guarding
- innovi Investigation
- innovi Enterprise

Building an innovi Core in a Customer Hosted Data Center

innovi Core was developed on principles common to many of today's private and public data centers: easy scalability through dynamic resource allocation, continuous zero down-time updates, and high availability. As such, innovi Core has specific network, software, hardware requirements and prerequisites.

While Customer Hosted installations are fully supported, for most customers we recommend our secured, hassle-free, Cloud Hosted innovi Core option.

Professional Services for innovi Core Installation

For an innovi Core installation, Agent Vi Professional Services are delivered remotely or on-site (subject to commercial terms). The local staff at the customer's site are required to have IT knowledge as specified in the innovi Customer Hosted Installation Guide (Contact Agent Vi for details).

Updating innovi Core Installation

Agent Vi publishes software component updates periodically. Customers will receive the relevant notifications including release notes and instructions how to perform the update. Note: Converting from a Standard innovi Core to an Advanced innovi Core requires a fresh installation of the entire system.

Comparison of innoVi Core Configurations [see [Note 1](#)]

innoVi Core can be configured to suit different analytics deployment sizes and various network architectures.

	Standard	Advanced
Camera Count	Recommended up to 500 cameras	Unlimited (see required resources for 500 cameras below as reference)
Number of Servers	1 server	3 servers or more
Shared Storage	Optional	Mandatory (separate server/location)
Load Balancer	None	External load balancer recommended (hardware or software)
DNS	None	A DNS server
High Availability	Not supported	Supported

Hardware and Software Requirements

Supported operating systems:

- Ubuntu 20.04, LTS 64-bit, Server Edition with no GUI installed
- RedHat, RHEL 7.9, rhel-server-7.9-x86_64-dvd.iso

The following are reference Hardware and Software requirements for **500 cameras** [See [Note 2](#)]

Standard innoVi Core

- Server
 - 1 server (bare metal or VM), with the following specifications:
 - CPU: A minimum of 24 processing cores (48 logical cores) based on Intel® Xeon® Skylake architecture or newer
 - Memory: 128 GB
- Storage:
 - 250GB for Operating System and application
 - 7GB per camera per month
 - 5.5 write IOPS per camera
 - 0.1 MBytes/sec write Throughput per camera

Advanced innoVi Core

- Servers
 - 3 x servers (bare metal or VM), with the following specifications per server:
 - CPU: A minimum of 12 processing cores (24 logical cores) based on Intel® Xeon® Skylake architecture or newer
 - Memory: 64 GB
- Storage
 - Local Storage (on each of the 3 servers):
 - 250GB for Operating System and application
 - 3.5GB per camera per month
 - 5.5 write IOPS per camera
 - 0.01 MBytes/sec write throughput per camera
 - Shared Storage:
 - 2GB per camera per month
 - 0.5 write IOPS per camera
 - 0.05 MBytes/sec write throughput per camera
 - Mountable by all servers in the cluster
 - High availability external storage recommended
- A DNS server (required for routing traffic into Kubernetes multiple masters)

Hardware and Software Requirements - Notes:

- The CPU in the innoVi Core server is not based on a specific model, but must include the above-mentioned processing core count and the supported Intel® Xeon® architecture
- The innoVi Core server should not host other non-innoVi applications

Note 1: *The table above does not contain the full features and functionalities of innoVi, or design aspects that may affect or limit some of the features or functionalities. Additional information is available on Agent Vi's website. For specific queries, please contact Agent Vi.*

Note 2: *The hardware requirements are provided for budgetary and planning purposes only. They are based on typical customer usage scenarios with hardware available at the time of testing. Given that hardware and software change frequently, Agent Vi recommends that customers request a formal review and hardware specification for their project before purchasing any hardware. Agent Vi reserves the right to change the product specification at its sole discretion at any time.*

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