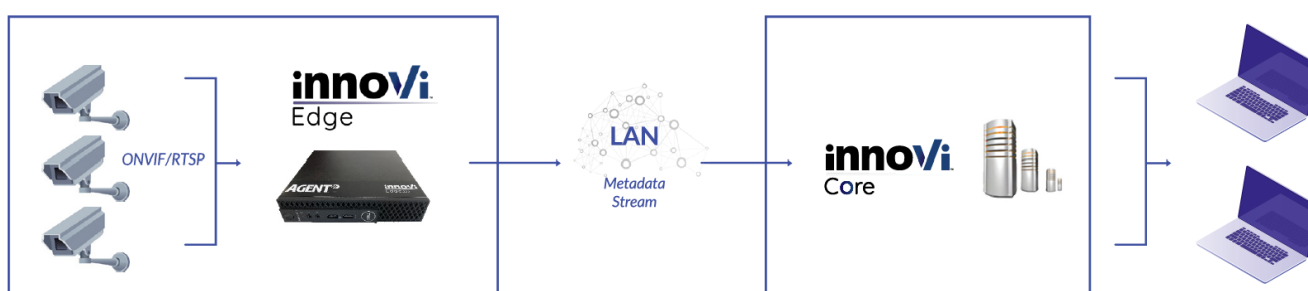


## innoVi Customer Hosted Installations



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 appliances 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, from the Data Center hosting innoVi Core, to any remote site with connectivity to innoVi Core.



### 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, and hardware requirements.

### innoVi Core: Standard / Advanced / Customized Configuration

innoVi Core can be configured to suit different IT environments.

A **Standard innoVi Core** configuration is available for customers with modest channel counts and who do not require high availability and redundancy.

An **Advanced innoVi Core** configuration is available for customers requiring higher channel counts and high availability.

The Standard and Advanced innoVi Core configurations use the same applications. Using either of these two options can facilitate easy installation and decrease ongoing maintenance efforts while offering different levels of high availability and scale.

A **Customized innoVi Core** configuration is required when a customer's needs cannot be supported by the Standard and Advanced innoVi Core configurations. The Customized innoVi Core can be tailored to meet the customer's requirements based on a detailed needs assessment.

A Customized innoVi Core configuration is necessary for customers that have installations with/that:

- Multiple Data Centers
- More than 1,000 cameras
- Special network configurations
- An unsupported Operating System
- Deploy innoVi Corporate
- Include any customer-specific customization/s

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

	Standard innoVi Core	Advanced innoVi Core	Customized innoVi Core
<b>Licenses Supported</b>	innoVi Remote Guarding innoVi Enterprise innoVi Investigation	innoVi Remote Guarding innoVi Enterprise innoVi Investigation	innoVi Remote Guarding innoVi Enterprise innoVi Investigation innoVi Corporate
<b>Channel Count</b>	250 channels for the first server, 500 channels for an additional server for a maximum of 750 channels	Up to 1,250 channels	Unlimited (server requirements depend on the channel count)
<b>Data Center</b>	Installed in a single Data Center	Installed in a single Data Center	Can be installed in multiple Data Centers
<b>Number of Servers</b>	1 or 2 servers	3 servers	3 or more servers
<b>Load Balancing</b>	Utilizes internal load balancer	Utilizes internal load balancer (network load balance can be used but may require additional professional services)	External load balancer required
<b>High Availability</b>	A failure in a server compromises availability	Requires external load balancer for full high availability	Yes
<b>Software Updates</b>	Managed by the Customer		

### Standard innoVi Core

#### Reference Hardware and Infrastructure Requirements [see Note 2]

Customer must provide:

- 1 or 2 servers (VM or bare metal), with the following specification:
  - CPU: A minimum of 16 processing cores (32 logical cores) based on Intel® Xeon® Skylake architecture or newer
  - Memory: 64GB
  - Disk space for Operating System and application: 250GB
  - Event and metadata storage: 23GB per camera per month, RAID 5 configuration, mixed usage disk type
  - Operating system: Ubuntu 18.04 LTS 64-bit, Server Edition with no GUI installed
- A DNS server

Notes:

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

#### Professional Services for a Standard innoVi Core Installation

innoVi Core requires a suitable IT environment to support it. For a Standard innoVi Core installation, Agent Vi Professional Services are delivered remotely. An initial evaluation of the customer's needs and readiness will be undertaken by Agent Vi to identify potential issues that must be addressed before advancing with the installation of innoVi.

The local staff at the customer's site will require IT knowledge including working with firewalls, networking, and Linux. Additionally, they will need specific knowledge regarding the customer's network topology, servers, and cameras, including passwords where appropriate.

### *Internet Access Requirements*

- During software installation or updates, innoVi must access various repositories on the internet (Linux / Docker hub) to download software components. All downloads are over HTTP/HTTPS (outbound ports 80/443). No inbound ports are required
- SSH port (22) must be open to enable remote access for installation/updates, should this be required

### *Updating a Standard innoVi Core Installation*

Software component updates will be available via the Agent Vi Docker registry. Customers will have access credentials to the private Agent Vi Docker registry, and upon each new release, customers will receive an email including the release notes. Note: Converting from a Standard innoVi Core to an Advanced innoVi Core requires a fresh installation of the entire system.

### **Advanced innoVi Core**

#### *Reference Hardware and Infrastructure Requirements [see Note 2]*

Customer must provide:

- 3 x servers with the same specification as for the Standard innoVi Core

#### *Professional Services for an Advanced innoVi Core Installation*

If the customer cannot meet or accept the above Standard innoVi Core conditions and requirements, including allowing remote access or onsite access should the customer require onsite Professional Services for any reason, then the customer needs to deploy an Advanced innoVi Core Installation and request a quote for accompanying Professional Services.

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*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, including in the innoVi Product Brochure, or in Agent Vi's extended documentation and manuals which are available to Agent Vi's partners. For specific queries, please contact Agent Vi.*

*Note 2: The hardware requirements are provided for budgetary and planning purposes. 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.*

Agent Video Intelligence Ltd.

Americas: +1-855-AgentVi (+1-855-243-6884) EMEA: +972-72-220-1500 S.E. Asia: +65-6813-2064

For more information, visit: [www.agentvi.com](http://www.agentvi.com) or email: [sales@agentvi.com](mailto:sales@agentvi.com)

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