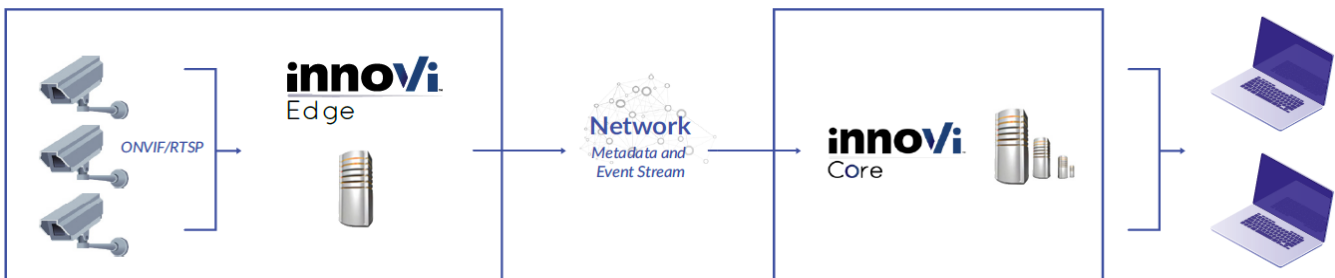




## innovi Edge™ CI (Customer Installed)

innovi Edge™ CI enables the deployment of Agent Vi’s software on a customer’s chosen hardware to connect ONVIF / RTSP fixed IP cameras from the camera’s network to a centralized innovi Core. The chosen hardware must be aligned with the specifications listed in the “Hardware & Infrastructure Requirements” section below. Agent Vi innovi system can have one or multiple innovi Edges (innovi Edge™ CI, innovi Edge™ appliances, or a mix of both), that process the video stream, transforming it into Agent Vi’s proprietary metadata before sending it to an innovi Core, which will then perform all central management and advanced analysis.



### Number of Supported Cameras

The number of cameras that a given Edge device can support depends on a variety of factors including: the innovi feature set (Remote Guarding or Enterprise), streaming profile, scene activity, and hardware specifications. The table below summarizes expected camera capacity for several popular streaming profiles for 1 and 2 processor servers [see Note 1].

Stream profile	1 Processor		2 Processors	
	Remote Guarding	Enterprise	Remote Guarding	Enterprise
H.264 @ 720P @ 8 FPS	96	80	192	160
H.264 @ 1080P @ 30 FPS	32	32	64	64
H.265 @ 720P @ 8 FPS	70	64	141	128
H.265 @ 1080P @ 30 FPS	26	26	51	51

### Hardware & Infrastructure Requirements

Customer must provide a server (bare metal), with the following specification:

- Processor:
  - Intel Xeon Gold 6226R (number of supported cameras listed above is based on a benchmark performed with this processor)
  - Any other processor meeting the following requirements:
    - 6th to 10th generation Intel® Core™ processors and Intel® Xeon® processors
    - Intel® Xeon® processor E family (formerly code-named Sandy Bridge, Ivy Bridge, Haswell, and Broadwell)
    - 3rd generation Intel® Xeon® Scalable processor (formerly code-named Cooper Lake)
    - Intel® Xeon® Scalable processor (formerly Skylake and Cascade Lake)
- Number of processors: 1 or 2
- Memory: DDR4-2933
- Memory capacity: 16GB for 1 processor / 32GB for 2 processors
- Disk space: 128GB (Operating System & Application)
- Additional storage: for innovi Investigation / innovi Enterprise, 6GB per camera per day. For example: 80 cameras with 1 week of storage require 80\*7\*6 = 3,360GB. No additional storage is required for innovi Remote Guarding
- Operating system: Ubuntu 18.04 LTS 64-bit, server edition with no GUI installed

## Hardware & Infrastructure Requirements (Continued)

Additional requirements:

- innoVi Edge CI can be deployed on VM's. However, the supported camera count per VM processor will be reduced by 20%
- The innoVi Edge CI server should not host other non-innoVi applications
- The specification and number of supported cameras is based on a specific processor model. Any alternative models need to be approved by Agent Vi [see Note 3]
- Cameras connected to innoVi Edge CI must have static IP addresses (dynamic IP allocation may result in service discontinuity)
- [see Notes 2 & 3]

## Bandwidth Requirements from innoVi Edge to innoVi Core

**Required bandwidth per channel:**

- Remote Guarding: 1.5 kbps upload, 0.5 kbps download
- Enterprise: 5 kbps upload, 0.5 kbps download

**Additional upload bandwidth:**

- Real-Time Event Detections: ~500 KB per event
- Live View in innoVi GUI: ~300 Kbps per camera

## Supported Camera Characteristics

- Resolution: up to 4K
- Frame Rate: 8 FPS is the minimal supported frame rate

Note 1: The table is based on the most common feature mixes tested using typical customer usage scenarios. 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.

Note 2: The hardware requirements are provided for budgetary and planning purposes. They are based on typical customer usages 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.

Note 3: The innoVi Edge CI software is optimized to use acceleration features that are specific to certain processor models. Running the software on processors without the correct acceleration features can significantly reduce the number of supported cameras.

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

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