



Ksi Vision Video Analytics Hardware Selection Standard

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Analytics Hardware Selection Standard

1 Why choose analytics hardware?

Ksi Vision is a software product so it can be installed on any compatible PC. This means you can get the hardware from your usual suppliers.

If you prefer that our team provide you with the hardware as part of the service, please contact us using the forms on the website or by sending an email to ksi@ksivision.com

This standard specifies the criteria so that you can select the most suitable equipment for video analytics in the physical spaces where Ksi Vision will be installed.

The criteria implemented for the selection of the components are:

1. Ability to execute Ksi Vision analytics and functionalities.
2. Durability of the main components, suggesting the use of equipment such as NUC, Workstation or Server.

You can implement other hardware options by looking for other compatible equipment. We suggest you check with Ksi Vision before making an out-of-standard purchase to verify that the hardware is suitable.

Next, you have two methods to determine the hardware you need: by area or by number of cameras.

1. How to select hardware for video analytics?

1. Method 1: Estimation according to footage

Depending on the **available area open to the public** of the physical space, you can use the following criteria for selecting analytics equipment:

m2 of areas open to the public	Recommended PC, Workstation, or Server features			
	CPU	RAM	SSD	GPU
100 m2 – 500 m2 Suitable for pack 1 pack 2. ¹ (NUC type equipment)	Intel i5 (gen 12 or higher) with Intel® Iris® Xe For example: Intel NUC 11 Pro i5-1145G7	16 GB	256 GB	--
100 m2 – 1000 m2 Suitable for pack 1 pack 2. ² (NUC type equipment)	Intel i7 (gen 11 or higher) with Intel® Iris® Xe For example: Intel NUC 11 Pro i7-1185G7	16 GB	256 GB	--
100 m2 – 500 m2 All packs	Intel/AMD 6 cores	32 GB	256 GB	nVidia RTX A2000 / 3060 12GB

¹ With a recommended limit of 4 cameras.

² With a recommended limit of 8 cameras.

500 m2 – 2000 m2 All packs	Intel I7 (generation 11 or higher) Or Intel/AMD CPU 12 cores or higher	32 GB	512 GB	nVidia RTX A4000 / 3080 12-16GB
2000 m2 - 5000 m2	Intel/AMD CPU 16 cores or higher	64 GB	1 T	nVidia RTX A5500 / 3080 24GB
More than 5000 m2	Contact us	Contact us	Contact us	Contact us

1. Method 2: Estimation according to number of cameras

Cameras should be cameras located in areas open to the public, discarding:

- Cameras viewing the same site
- Cameras outside public areas
- Robotic cameras

Number of cameras	Recommended PC, Workstation, or Server features			
	CPU	RAM	SSD	GPU
4-8 cameras Suitable for pack 1 pack 2 ³ . (NUC type equipment)	Intel i5 (gen 12 or higher) with Intel® Iris® Xe For example: Intel NUC 11 Pro i5-1145G7	16 GB	256 GB	--
8 cameras Suitable for pack 1 pack 2. (NUC type equipment)	Intel i7 (gen 11 or higher) with Intel® Iris® Xe For example: Intel NUC 11 Pro i7-1185G7	16 GB	256 GB	--
16 cameras All packs	Intel/AMD 6 cores or higher	32 GB	256 GB	nVidia RTX A2000 / 3060 12GB
24 cameras All packs	Intel I7 (generation 11 or higher) Or Intel/AMD CPU 12 cores or higher	32 GB	256 GB	nVidia RTX A4000 / 3080 12-16GB
48 cameras All packs	Intel/AMD CPU 16 cores or higher	64 GB	256 GB	nVidia RTX A5500 / 3090 24GB
More than 48 cameras	Contact us	Contact us	Contact us	Contact us

1. End of document

We hope you find this guide useful. For any questions do not hesitate to write to us at ksi@ksivision.com

³ With a recommended limit of 4 cameras.