

### Minimum hardware required

Each video card has its frames per second (FPS) processing capacity. IPXAnalytics needs just 1 frame to identify whether the object is in the image or not. For example, a card that can process 15FPS will process 1FPS from 15 cameras simultaneously.

Minimum Processing Server Specifications:

Câmeras/FPS	Processador	Memória RAM	SSD HD	Placa de vídeo	Sistema Operacional
90 câmeras 1FPS	Intel(R) Core i9-10900K CPU @3.70GHz / Intel Xeon Silver 4108	16 GB	480 GB	RTX4090 / 2x NVIDIA L4 Tensor Core	Windows 10 Pro / Server 2022
60 câmeras 1FPS	Intel(R) Core i9-10900K CPU @3.70GHz / Intel Xeon E-2278G @3.40GHz	16 GB	480 GB	RTX3090 / 2x RTX4000	Windows 10 Pro / Server 2022
50 câmeras 1FPS	Intel Xeon E-2278G @3.40GHz	16 GB	480 GB	A16 / RTX5080	Windows 10 Pro / Server 2022
40 câmeras 1FPS	Intel i7-8700 @3.2GHz / Intel Xeon E-2278G @3.40GHz	16 GB	480 GB	RTX3080 / L4 Tensor Core / RTX4060	Windows 10 Pro / Server 2022
35 câmeras 1FPS	Intel i7-8700 @3.2GHz	16 GB	480 GB	A4500	Windows 10 Pro / Server 2022
30 câmeras 1FPS	Intel i7-8700 @3.2GHz	16 GB	480 GB	RTX2080Ti / RTX3060 / T4 / A4000	Windows 10 Pro / Server 2022
25 câmeras 1FPS	Intel i5-8400 @2.8 GHZ	16 GB	240 GB / 480 GB	GeForce GTX 2060 SUPER	Windows 10 Pro / Server 2022
20 câmeras 1FPS	Intel i5-8400 @2.8 GHZ	16 GB	240 GB / 480 GB	RTX2060 / RTX3050	Windows 10 Pro / Server 2022
10 câmeras 1FPS	Intel i5-8400 @2.8 GHZ	16 GB	240 GB / 480 GB	NVIDIA 1050TI	Windows 10 Pro / Server 2022

For motion detection functions such as *counting line, consecutive direction, moving object*, IPXAnalytics needs at least 5FPS to process the movement of an object, as it analyzes each point that the object has been in the last second to determine whether there was movement or not.

Minimum Processing Server Specifications:

<b>Câmeras/FPS</b>	<b>Processador</b>	<b>Memória RAM</b>	<b>HD /SSD</b>	<b>Placa de vídeo</b>	<b>Sistema Operacional</b>
<b>18 câmeras 5FPS</b>	Intel(R) Core i9-10900K CPU @3.70GHz / Intel Xeon Silver 4108	16 GB	480 GB	RTX4090 / 2x NVIDIA L4 Tensor Core	Windows 10 Pro / Server 2022
<b>12 câmeras 5FPS</b>	Intel(R) Core i9-10900K CPU @3.70GHz / Intel Xeon E-2278G @3.40GHz	16 GB	480 GB	RTX3090 / 2x RTX4000	Windows 10 Pro / Server 2022
<b>10 câmeras 5FPS</b>	Intel Xeon E-2278G @3.40GHz	16 GB	480 GB	A16 / RTX5080	Windows 10 Pro / Server 2022
<b>8 câmeras 5FPS</b>	Intel i7-8700 @3.2GHz / Intel Xeon E-2278G @3.40GHz	16 GB	480 GB	RTX3080 / L4 Tensor Core / RTX4060	Windows 10 Pro / Server 2022
<b>7 câmeras 5FPS</b>	Intel i7-8700 @3.2GHz	16 GB	480 GB	A4500	Windows 10 Pro / Server 2022
<b>6 câmeras 5FPS</b>	Intel i7-8700 @3.2GHz	16 GB	480 GB	RTX2080Ti / RTX3060 / T4 / A4000	Windows 10 Pro / Server 2022
<b>5 câmeras 5FPS</b>	Intel i5-8400 @2.8 GHZ	16 GB	240 GB / 480 GB	GeForce GTX 2060 SUPER	Windows 10 Pro / Server 2022
<b>4 câmeras 5FPS</b>	Intel i5-8400 @2.8 GHZ	16 GB	240 GB / 480 GB	RTX2060 / RTX3050	Windows 10 Pro / Server 2022
<b>2 câmeras 5FPS</b>	Intel i5-8400 @2.8 GHZ	16 GB	240 GB / 480 GB	NVIDIA 1050TI	Windows 10 Pro / Server 2022