



DeepSight Toolkit Hardware Recommendations

Below you can see a table of the estimated frame rates that you can expect from DeepSight Toolkit.

Two important factors that affect the frame rate are;

- **number of simultaneous detections**
- **resolution of the video feed** or file that you are analyzing

The low traffic scenario is with one face in frame, while the high traffic scenario has between 5 to 9 faces in frame. The FPS numbers shown below are the mean values observed throughout the entire video.

For extra performance boost we advise to use GPU acceleration (select 'Use GPU' checkbox in the General Settings tab) which targets the integrated GPUs found in most Intel processors.

| DeepSight Toolkit 6.4.1 - USB Cam @ 640 x 480 | | | |
|-----------------------------------------------|-----|-----------|-----------|
| Processors | FPS | CPU usage | GPU usage |
| i7-10710U @ 1.1 GHz | 21 | 33% | 52% |
| i5-10210U @ 1.6 GHz | 19 | 32% | 49% |
| i3-10110U @ 2.1 GHz | 15 | 56% | 44% |

HARDWARE RECOMMENDATIONS

Although our DeepSight Toolkit is hardware and camera agnostic, this section gives a few recommendations for devices that you can use in different scenarios. In case none of these machines match your requirements, you are free to choose your own device according to the following general specifications:

Minimum:

- Intel® Core™ i3-10110U (4M Cache, up to 4.10 GHz)
- RAM: 8 GB
- Storage at least 2 GB free space

Recommended:

- Intel® Core™ i5-10210U (6M Cache, up to 4.20 GHz)
- RAM: 8 GB
- Storage at least 2 GB free space

Recommended Intel NUCs:

[Intel NUC10i3FNHJA](#)

[Intel NUC10i5FNKPA](#)

[Intel NUC10i7FNKPA](#)

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