Requirements of a custom computer

Before purchasing a new computer

We recommend that you use the Dell Precision T3640 or T5820 desktop computer. For the devices that are supported on a laptop (See Laptop), we recommend the Dell Precision 3551 mobile workstation.
If you are planning to purchase a different computer, please contact us for detailed advice.

Computer requirements

- For working with MediaRecorder and video (files or cameras), we recommend that you use a professional workstation. It is possible to buy consumer-range computers with a high processor speed and plenty of memory, but in order to remain competitive regarding price, the manufacturers often economize on the underlying system architecture. That means those computers are suitable for home use, but not for running professional scientific software. You should select a computer which is intended for professional use or labeled by the manufacturer as a workstation.
- If you use an older desktop computer, it should have at least a 2.8 GHz Quad Core processor and at least 4 GB of memory. A laptop should have at least a 2.6 GHz Quad Core processor and at least 4 GB of memory.
- You need sufficient free disk space to store the video files (MPEG-4 at least 0.5 GB/hr, and H.264 at least 0.6 GB/hr).
- For working with digital video, a good quality high-end video card designed for workstations is recommended.
- We recommend to use a separate 1 Gb network adapter for the IP and GigE cameras and the Epiphan Pearl Nano and preferably the Intel Pro/1000 CT or PT. For multiple GigE cameras, you need a separate network adapter for each camera.

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