

# Computer Guidelines for DTX Studio™ Clinic 2.4

**Intel-based Macs: macOS® X Catalina (10.15) and macOS® Big Sur (11)**

**Apple Silicon Macs (M1 Chip or Higher): macOS® Big Sur (11)**

## RECOMMENDED REQUIREMENTS

<b>Devices</b>	Desktop computers: iMac®, Mac® Mini, Mac Pro® Notebooks: MacBook Pro®, MacBook Air® (*) All Intel-based models since 2012 are supported. (*) The graphics card of some MacBook Air® and Mac® Mini configurations has restrictions with regard to volume rendering. Consider selecting low resolution volume rendering.
<b>Monitor</b>	Full HD (1920×1080) or higher, such as 1920×1200, is recommended.
<b>Hard disk</b>	Only install DTX Studio™ Clinic onto an HFS+ or HFSJ non-case-sensitive drive.
<b>LAN</b>	If DTX Studio™ Clinic is installed together with DTX Studio™ Core a local Gigabit Network is recommended.
<b>Internet</b>	A broadband Internet connection is required. Keep in mind that the upload and download speeds differ. A slow upload speed can reduce performance. An upload speed of 3 Mbps and a download speed of 30 Mbps or more are recommended. It is recommended always to be connected to the Internet. If that is not possible, a connection should be established at least once every 14 days, because otherwise your access to DTX Studio™ Clinic may be temporarily suspended.

## IF WORKING WITH 2D IMAGES

<b>CPU</b>	A dual- or quad-core CPU is recommended.
<b>RAM</b>	4 GB memory is recommended.
<b>Graphics card</b>	Low-end dedicated or integrated graphics card. OpenGL® 3.3 support is required. To check the OpenGL® version of your graphics card, go to <a href="http://realtech-vr.com/admin/glview">http://realtech-vr.com/admin/glview</a> .
<b>Disk space</b>	10 GB of free disk space is recommended. A typical 2D patient dataset in DTX Studio™ diagnose is about 10 MB.

## IF WORKING WITH 3D IMAGES

- CPU** A quad-core CPU of 2.8 GHz or more is recommended (such as Intel Core i5 or i7).
- RAM** 8 GB memory is recommended.
- Graphics card** A dedicated graphics card with optimal 3D support (OpenGL® 3.3) and 2 GB memory or more is recommended (such as AMD or NVIDIA). For 4K displays, 4 GB memory or more is recommended.
- Disk space** 10 GB of free disk space is recommended. A typical 3D patient dataset in DTX Studio™ diagnose is about 250 MB.