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Myrian® Standalone System requirements

Myrian® 2.12.x

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1. Scope and purpose

This document describes the minimum and recommended configuration for Myrian® Standalone deployment, including software and hardware requirements.

This configuration is not applicable for the deployment of Myrian® Application Server. Refer to the specific document which describes these requirements.

These requirements are specific to a Myrian® release and may differ from one release to another.

2. Supported Operating System

Here is the list of supported operating systems for Myrian®:

- Microsoft Windows 10 Professional 64-bit
- Microsoft Windows 11 Professional

The operating system should be installed with the Language pack associated with the language chosen in Myrian®. Find here the download page for the language packs.

3. Minimum System requirements

The following is a list of minimum system requirements for Myrian® to operate but under degraded conditions. This configuration is only valid for Myrian® Expert and is not a minimum requirement when clinical modules are used. Note that these specifications should not be used for new installations of Myrian® but only for compliance with existing infrastructures.

Minimum Configuration for Myrian® Expert	
Operating System	Windows® 10 Professional (64-bit)
RAM	8 GB
Free Disk Space	120 GB
Processor (CPU)	Intel® Core™i5
Screen Resolution	1280 x 1024 (NB: for Mammography application, 5MP screen is mandatory) For high resolutions (above 4MP), Myrian display is not optimal
Color Depth	32 bit
Graphic Card	Any graphic card able to display requested screen resolution

Although the software may run on systems that do not meet the minimum system requirements, Intrasense will not support these cases.

4. Recommended System Configuration

Configurations with specifications equal to or greater than the recommended system requirements may be used to run Myrian®, provided they comply with the specifications and additional recommendation below.

Note that Myrian® Expert + Clinical Modules will not function properly using configurations lower than the recommended configuration as described in the table below.

	For Myrian® Expert	For Myrian® Expert + Clinical Modules
Operating System	Windows® 11 Professional	
RAM	16 GB and greater (32 GB recommended for Mammography application)	
Free Disk Space	250 GB	
Hard Disk(s)	250 GB SSD HDD	
Processor (CPU)	For Desktop: 8 cores @2.9GHz (e.g. Intel® Core™i7 @2.9 GHz and greater) For Laptop: 8 cores @2.6GHz (e.g. Intel® Core™i7 @2.6 GHz and greater)	
Monitor and resolution	2MP monitors	Color or grayscale (8 bit) monitors
	(NB: for Mammography application, 5MP screen is mandatory)	
Color Depth	32 bit (color) – 8 bit (grayscale)	
Report Editor	Microsoft® WordPad or Microsoft® Word (optional) Adobe Reader 10.10 or greater (for 3D PDF)	
Graphic Card	For desktop: NVIDIA® ® RTX xx60 and greater NVIDIA®Quadro®P5000 For laptop: 3D CPU usage recommended NVIDIA® RTX xx60 Mobile and greater See additional recommendations for graphics card selection	
Mouse	4 button mouse with scroll wheel	

5. Additional Recommendations

1. For typical 3 monitors RIS and PACS configurations, use the graphics card configuration recommended for CR reading.

2. Matrox adapters are not compatible with Myrian® for 3D rendering. Myrian® will use CPU for rendering.

3. Graphic cards and monitors with a color depth greater than 8 bit per channel are not supported.

4. For full GPU 3D resolution, a standard 512x512 CT slice requires 1.2 MB of dedicated video memory, plus an extra margin of 20% for proper functioning of other display features (multi-display, etc.).
   E.g.: to load 1000 slices at full resolution in 3D, dedicated video memory should be (1.2 * 1000) * 1.2= 1440 ~ 1.5 GB. If the number of slices is exceeded, strongly degraded performance or system instability may occur in the 3D View.

5. GPU based volume rendering requires DirectX redist (June 2010).