



Exa[®] PACS|RIS

34.1.5

System Requirements

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Purpose of this document

This document outlines the recommended requirements for workstations on the Exa platform including Symmetry PACS. For additional assistance with system requirements at your facility, please contact your Konica Minolta representative.



Caution: Performance depends on environmental factors unique to each installation environment. Konica Minolta does not guarantee that adhering to these requirements will result in any specific level of software performance.

Ownership and support

Depending on agreements at the time of purchase, the customer may be responsible for the following:

- Deploying, managing, maintaining, and supporting all relevant workstation hardware, operating systems, and third-party software not required by Konica Minolta Healthcare Americas (KMHA).
- Procuring and maintaining licensing for all third-party software and components installed on the workstation.
- Troubleshooting, replacing, upgrading, updating, patching, or adding on to the workstation as required throughout its life cycle.
- Documenting, securing, and regularly backing up data, files, and programs for purposes of recovery after hardware failures.

KMHA is responsible for the following:

- Providing guidance and documentation on using, managing, and maintaining the software throughout its life cycle.
- Providing support as stated under the terms of the Software Support Agreement, if such an agreement was finalized prior to any request for support.

System Requirements

Workstations

General

The following table lists the recommended system requirements for general-purpose non-diagnostic workstations.

Resource	Qty./Type	Comments
CPU/vCPU (Cores/Logical processors)	4/4	Intel® (Core™ series), 4 Cores, 4 threads at 3.0 GHz or faster
RAM	8 GB	
Graphics ¹		Integrated Graphics, Intel® Iris® Xe
Operating System		Windows 11 Pro
Network	1 GbE	Single NIC
Storage Volumes		
System (OS)	128 GB	Read Intensive SSD
Display (navigation)		16:9 Aspect Ratio, 1920 × 1080

1. Video cards must be compatible with displays, and support the recommended resolution for each individual display as well as total resolution for all connected displays.

Diagnostic, General: CD, CT, DX, MR, US, and others

The following table lists the recommended system requirements for general-purpose diagnostic workstations.

Resource	Qty./Type	Comments
CPU/vCPU (Cores/Logical processors)	4/8	Intel® (Core™ or Xeon™ series), 4 Cores, 8 threads at 3.0 GHz or faster
RAM ²	16 GB	With local cache: 32 GB
Graphics ¹		Dedicated Graphics, 4× DP or 4× mDP
Operating System		Windows 11 Pro
Network	1 GbE	Single NIC
Storage Volumes		
System (OS)	256 GB	Read Intensive SSD
Local Cache ³	1 TB	Mixed use (read/write balanced) SSD
Storage (system)	256 GB	Read Intensive SSD
Display		
Navigation		16:9 Aspect Ratio, 1920 × 1080
Diagnostic		Recommend the following standards based on use case: Practice Parameters and Technical Standards ACR (acr.org) ACR–AAPM–SIIM Technical Standard for Electronic Medical Imaging

1. Video cards must be compatible with displays, and support the recommended resolution for each individual display as well as total resolution for all connected displays.
2. RAM utilization is greatly affected by the number of studies viewed concurrently.
3. Required only if using local cache (if prefetching studies from the server to the workstation).

Diagnostic, Advanced: Mammo, PET, 3D Recon, and others

The following table lists the recommended system requirements for advanced (high resolution) diagnostic workstations.

Resource	Qty./Type	Comments
CPU/vCPU (Cores/Logical processors)	8/16	Intel® (Core™ or Xenon™ series), 8 Cores, 16 threads at 2.4 GHz or faster
RAM	32 GB	
Graphics ¹		Dedicated Graphics, 4× DP or 4× mDP
Operating System		Windows 11 Pro
Network	1 GbE	Single NIC
Storage Volumes		
Storage (OS)	256 GB	Read Intensive SSD
Local Cache ²	1 TB	Mixed use (read/write balanced) SSD. Increase based on number of days to cache.
Display		
Navigation		16:9 Aspect Ratio, 1920 × 1080
Diagnostic		Recommend the following standards based on use case: Practice Parameters and Technical Standards ACR (acr.org) ACR–AAPM–SIIM Technical Standard for Electronic Medical Imaging

1. Video cards must be compatible with displays, and support the recommended resolution for each individual display as well as total resolution for all connected displays.
2. Required only if using local cache (if prefetching studies from the server to the workstation).