DynaCAD 5.0 hardware and software requirements

Philips DynaCAD 5.0 is a multi-vendor MR image analysis system designed for clinical diagnosis, reporting, and interventional pre-planning and assists the physician through a series of sequential tasks. Creating time and workflow efficiencies, DynaCAD facilitates the analysis of dynamic and non-dynamic MR datasets to provide study review, lesion characterization, and additional mathematical and/or statistical analysis. Its optional interventional planning image-guidance application supports diagnostic and interventional procedure planning for biopsy and/or soft tissue ablation.

Server supported operating system and SQL platforms

Operating systems	SQL Server version
Windows Server 2019	SQL Server 2019
Windows Server 2016	SQL Server 2016 or 2019
Windows 10 Professional, 64-bit	SQL Server 2016 or 2019

All SQL instances have been tested and validated to reside locally on the same server as the application. Any other installation will be out-of-scope.

Philips will provide SQL Express for DynaCAD to function. DynaCAD is certified to run with SQL Standard and Enterprise editions if desired. For this option, SQL Standard or Enterprise editions will need to be provided by the customer at the time of installation on the local DynaCAD server.

DynaCAD 5.0 servers must meet or exceed the following system configurations

Server hardware

	Low volume Environments where DynaCAD will be processing fewer than 6 cases weekly or connecting less than 4 concurrent users.	High volume Environments where DynaCAD will be processing greater than 6 cases weekly or connecting greater than 4 concurrent users – max 10.
CPU	Intel XEON® E5-2600 family, dual processors 4 physical cores per processor with hyperthreading enabled.	Intel XEON® E5-2680 family, dual processors 8 physical cores per processor with hyperthreading enabled.
RAM	32 GB	64 GB
Hard disk	100 GB System + data storage ~300 GB	100 GB System + data storage ~900 GB
NIC	1 Gbps	1 Gbps
Network LAN	1 Gbps bandwidth	1 Gbps bandwidth
Video card	Onboard integrated card	Onboard integrated card
Display	1280 x 1024 true color	1280 x 1024 true color

Based on field experience, we have found that the best practice for acceptable system performance is a network latency of <5 ms between server and client.

Virtual server

CPU	Intel XEON® E5-2600 family, dual processors at least 16 cores
RAM	32 GB minimum
Hard disk	100 GB System + data storage ~900 GB
NIC	1 Gbps
Network LAN	1 Gbps bandwidth
Video card	Onboard integrated card
Display	1280 x 1024 true color
VM Environments	Hyper-V and VMware (only supported VM environments)

Based on field experience, we have found that the best practice for acceptable system performance is a network latency of <5 ms between server and client.

DynaCAD 5.0 clients must meet or exceed the following system configurations

Client supported operating systems

Windows Server 2016 and 2019
Windows 10 Professional, 64-bit

Client hardware

CPU	Intel Core® 2 Duo
RAM	8GB
Hard disk	100 MB free space
Network	1 Gbps
Video card	Onboard integrated card
Display	1280 x 1024 true color

PHILIPS

www.philips.com