

**synedra**



information technologies

# Compatibility Matrix

## synedra View Professional

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# 1. synedra View Professional

## 1.1. System requirements

Product: synedra View Professional 23.0.0

The following chapter contains the system requirements to run synedra View Professional on diagnostic and viewing workstations.

### Operating systems

The current version of synedra View Professional supports the following operating systems:

- Windows 10 32-bit and 64-bit (on Intel/AMD processors)
- Windows 11 (on Intel/AMD processors)
- Windows Server 2016 with Citrix Virtual Apps and Desktops 1912 LTSR (or later) (see Safety note: Image display via remote access to Terminal Servers or VDI solutions)
- Current version of macOS: 12 Monterey or 13 Ventura (on Intel or Apple Silicon via Rosetta)



#### **Safety note: Image display via remote access to Terminal Servers or VDI solutions**

Image display via a remote solution might notably reduce the quality of the images displayed.

When synedra View Professional is operated via a remote solution, the operator therefore has to make sure that the images are transferred in a quality that is adequate for the purpose for which the images are displayed. Furthermore, the users have to be instructed accordingly, since lossy image compression cannot be recognized by the users. This is not only true for the clinical viewing of images, but to an even greater extent for image interpretation.

For this reason (and also for performance reasons), it is not permitted to interpret medical data via remote access to Terminal Servers or VDI solutions.



#### **Safety note: Diagnostic imaging and image display in synedra View Professional**

Patient Protection Directive (97/43/EURATOM) requires that operators of radiological installations should take appropriate quality assurance measures. These measures include an initial acceptance test followed by routine performance testing.

Acceptance tests as well as routine tests for radiological diagnostic and viewing workstations must be carried out pursuant to legal requirements (in Austria: Radiation Protection Act, ONR 195240-20; in Switzerland: BAG R-08-06 Directive; in Germany: DIN 6868-57). You must carry out all tests by using synedra View Professional on the system concerned.

Failure to do so is an offense against legal requirements.



#### **Important**

External programs that can be opened with synedra View Professional may not be used for diagnostic imaging.

**System requirements for diagnostic workstations**

To run synedra View Professional on a diagnostic workstation, the minimum requirements stated in Table 1.1: “Hardware requirements synedra View Professional diagnostic workstations” (page 2) must be fulfilled.

	<b>Minimum requirement</b>	<b>Recommendation</b>
Processor	4 cores	12 cores
RAM	16 GB	32 GB of (on 64-bit operating systems)
Hard drives	250 GB SATA or more	250 GB SSD or more
Graphics card	As a rule, graphics cards are supplied with the diagnostic monitors and have been specifically adapted to these.	
GPU support	Minimum requirement is a graphics card that supports OpenCL 1.2 and gray-scales images via OpenCL as well as a 64-bit operating system.	
Network connection	Gigabit Ethernet	
Monitors	Diagnostic monitors compliant with normative requirements Control monitors: TFT 1280*1024 resolution or more	
Power supply unit	550 Watt minimum	
Further requirements	Make sure that cooling and the power supply are sufficiently dimensioned to run the diagnostic graphics card. Furthermore, only use the specifically adapted graphics card driver that comes with the diagnostic graphics card.	

Table 1.1. Hardware requirements synedra View Professional diagnostic workstations

**System requirements for viewing workstations**

To run synedra View Professional on a viewing workstation, the minimum requirements stated in Table 1.2: “Hardware requirements synedra View Professional viewing workstations” (page 2) must be fulfilled.

	<b>Minimum requirement</b>	<b>Recommendation</b>
Processor	4 cores	8 cores
RAM	8 GB	16 GB of (on 64-bit operating systems)
Hard drives	250 GB SATA or more	250 GB SSD or more
Network connection	100 MBit full duplex	Gigabit Ethernet
Monitors	TFTs 400:1 contrast ratio or more, 1280*1024 resolution or more	Monitors with DICOM LUT

Table 1.2. Hardware requirements synedra View Professional viewing workstations