

# CVI42®

## System Requirements (End User)

### SERVER

| REQUIREMENT               | WINDOWS  | DISK SPACE/ PERFORMANCE  | PROCESSOR  | SYSTEM RAM | NETWORK (LAN)   |
|---------------------------|--|--|--|------------|-----------------|
| <b>SERVER REQUIREMENT</b> | Windows Server 2019, Windows Server 2022, Windows Server 2025<br>Latest Version of Microsoft Edge or Google Chrome | 200GB SSD/NVMe, 500 iops<br>A dedicated partition for data storage is recommended. | 1st Generation Intel® Xeon® Scalable Processor or newer, 12 vCPU | 16 GB      | 1 Gb/s Ethernet |

#### Notes

- Minimum requirements are not meant to imply that the application will meet end-user performance expectations.
- Based on vendor support for operating systems, Windows version lower than what is specified are not generally supported.
- With server-side processing enabled for CT and 4D Flow, server CPU shows 30% increase, and 20% increase in memory usage.
- With server-side processing enabled for 4D Flow, server disk space usage shows up to 50% increase.



Please contact your Circle CVI advisor for client-server configurations above 4 concurrent users

### Client / Standalone Workstation<sup>1</sup>

| REQUIREMENT   | macOS    | WINDOWS  | PROCESSOR   | SYSTEM RAM <sup>1</sup>  | NETWORK (LAN)   | DISPLAY   |
|---|----------|--|---|--|-----------------|-----------|
| <b>MR REQUIREMENTS<sup>3</sup></b>                          | 15.x, 26 | Windows 10<br>Windows 11<br>Citrix vApp<br>Latest Version of Microsoft Edge or Google Chrome | <b>Windows:</b> Intel Core i5 7th gen+<br><b>Mac:</b> Intel Core i5 7th gen+, Apple Silicon | 4D Flow Module requires: 16 GB+<br>All other MR Modules: 8 GB+ | 1 Gb/s Ethernet | 1920x1080 |
| <b>CT / ADVANCED VISUALIZATION REQUIREMENTS<sup>3</sup></b> | 15.x, 26 | Windows 10<br>Windows 11<br>Citrix vApp  | <b>Windows:</b> Intel Core i5 7th gen+<br><b>Mac:</b> Intel Core i5 7th gen+, Apple Silicon | CT Modules requires: 16 GB+                                    | 1 Gb/s Ethernet | 1920x1080 |

| REQUIREMENT   | Video Card <sup>1,2,3</sup>                                      | VIDEO RAM | DISK SPACE/ PERFORMANCE  |
|---|--|-----------|--|
| <b>MR REQUIREMENTS<sup>3</sup></b>                          | Intel Integrated HD Graphics 630+                                | N/A       | Standalone: 200GB SSD/NVMe<br>Client: 2 GB                             |
| <b>CT / ADVANCED VISUALIZATION REQUIREMENTS<sup>3</sup></b> | Discrete nVidia GeForce 10 series, AMD Radeon R9 M370X or better | 2 GB+ RAM | Standalone: 200GB SSD/NVMe<br>Client: 2GB and at least 15GB free space |

#### Notes

<sup>1</sup>3D/4D dataset viewing capability varies based on series size and amount of available RAM and VRAM. A system capable of viewing 3D is automatically capable of viewing 2D images.

<sup>2</sup>System requires 24-bit colour depth to use the client software.

<sup>3</sup>Discrete graphics hardware is recommended for large datasets and modules with advanced 4D visualization capabilities.

<sup>4</sup> Citrix vApp deployments REQUIRE discrete GPU resources assigned to the client and OpenGL support on the application server hosting the vApp.

QUESTIONS?

 support@circlecvicom  +1 (403) 338 1870

# Tech Specs Addendum

Minimum specifications may not provide the best user experience when running the cvi42 application. Additional system resources (CPU, Memory, Graphics) may provide a better experience. Study sizes will have an impact on required system resources and should be considered when determining infrastructure requirements. Circle Cardiovascular Imaging always recommends that the latest supported OS and hardware driver versions available be deployed when using cvi42.

|                | cvi42 Client  | cvi42 Server<br>(Enterprise/multi-user environments)   |
|----------------|---|--|
| <b>CPU</b>     | Windows: Core i5 7th gen (Kaby Lake) or newer (4 or more cores).<br>Mac: Core i5 7th gen, Apple Silicon   | Intel Server Class CPU with 4 or more Hyper-threaded cores available. For server side processing, 6 or more hyper threaded cores available or 12 vCPUs.  |
| <b>RAM</b>     | 8GB of system RAM or more   | 16GB RAM for environments up to 4 users concurrently   |
| <b>VIDEO</b>   | Intel Integrated HD Graphics 630 (built into Core i5 Kaby Lake CPUs), or better.  | -  |
| <b>DISK</b>    | Storage performance is vital to the efficient use of cvi42 SSD/NVMe highly recommended.<br>For Standalone installations:<br>- Storage should be able to support 500 iops.<br>- Storage should be provided as a separate volume from the OS (i.e. D: drive). 200GB should be available<br>For client / server implementations, the client does not require dedicated storage as that function is handled by the server | Storage performance is vital to the efficient use of cvi42. High speed spinning disk in a multi-disk RAID array optimized for I/O performance or SSD/NVMe storage is highly recommended. In all cases, a sustained transfer rate of 60MB/s is suggested/recommended. As the number of concurrent users and/or studies being pushed directly to or from the server increases, I/O throughput should increase as well. In virtualized should be made to provision storage of the highest performance tier. |
| <b>NETWORK</b> | 1 Gb/s or greater   | 10 Gb/s is highly recommended for multiuser environments   |

| Operating System | cvi42 Client  | cvi42 Server  |
|------------------|---|---|
| <b>Windows</b>   | Windows 10, Windows 11<br>Latest Version of Microsoft Edge or Google Chrome         | Windows Server 2019, Windows Server 2022, Windows Server 2025   |
| <b>macOS</b>     | macOS 15 (Sequoia)<br>macOS 26 (Tahoe)<br>Latest Version of Google Chrome or Safari | macOS is no longer a supported environment for cvi42 Server. Please contact support@circlecv.com for assistance in migrating current macOS server environments to a supported Windows Server OS |

## For Cardiac CT, 4D Flow and Advanced Visualization, additional system resources are required

|                  |  |
|------------------|--|
| <b>RAM</b>       | 16 GB or more<br>24 GB is required for 4D Flow server-side processing of studies > 1.5 GB  |
| <b>PROCESSOR</b> | 16 vCPU is required for 4D Flow server-side processing of studies > 1.5 GB   |
| <b>VIDEO</b>     | Discrete/dedicated GPU: nVidia GeForce 10 series or GeForce 20 series with 2 GB or more Video RAM. AMD Radeon R9 M370X or better with 2 GB or more Video RAM |

Please always confer with your dedicated Circle CVI Product Support Specialist to discuss your deployment architecture [support@circlecv.com](mailto:support@circlecv.com)

# WATCHMAN™ TruPlan™

## CT IMAGING SOFTWARE

### System Requirements (End User)

#### Client / Standalone Workstation

| Requirement  | Mac OS   | Windows                                 | Processor  | System RAM | Network (LAN)   | Display   | Video Card <sup>1, 2, 3</sup>   |
|--------------|----------|---|--|------------|-----------------|-----------|---|
| Requirements | 15.x, 26 | Windows 10<br>Windows 11<br>Citrix vApp | <b>Windows:</b> Intel<br>Core i5 7th gen+<br><b>Mac:</b> Intel Core<br>i5 7th gen+,<br>Apple Silicon | 16 GB+     | 1 Gb/s Ethernet | 1920x1080 | Discrete nVidia<br>GEForce<br>10 series,<br>AMD Radeon<br>R9 M370X<br>or better |

#### Notes

- Based on vendor support for operating systems, Windows version lower than what is specified are not generally supported.
- Citrix vApp deployments REQUIRE discrete GPU resources assigned to the client and OpenGL support on the application server hosting the vApp.



USERS  
up to 4  
Concurrent

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above 4 concurrent users

#### SERVER

**Note:** TruPlan is compatible with the cvi42 server for sites implementing centralized servers. The requirements for cvi42 server are listed above. This combined server allows sites to centralize image data and user management.

QUESTIONS?

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