

RamSoft's OmegaAI Client Specifications

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Overview

RamSoft's OmegaAI is a comprehensive platform tailored for medical imaging needs, featuring a robust Image Viewer and tools for end-to-end management of a medical imaging practice, such as worklists, scheduler, document management, and a centrally controlled state of the art cloud VNA.

This document is purposed to provide detailed hardware and software specifications required to optimize performance across different user types.

Specifications for Image Viewer

Hardware Requirements

Requirement	Recommended Configuration	Minimum Configuration
CPU	8 Cores, Modern CPU (e.g., Intel i7/i9, AMD Ryzen 7/9)	4 Cores, Modern CPU (e.g., Intel i5, AMD Ryzen 5)
RAM	32 GB	16 GB
Graphics	Dedicated GPU with at least 4 GB VRAM (e.g., NVIDIA GTX 1060)	Integrated graphics with at least 2 GB shared VRAM
Display	2560 x 1440 resolution or higher, medically calibrated	1920 x 1080 resolution
Free Storage (drive used for browser caching)	At least 100 GB SSD	At least 50 GB SSD
Network	1 Gbps wired Ethernet connection	100 Mbps wired Ethernet connection

Software Requirements

Requirement	Specification
Operating System	Windows 10 or later, macOS Catalina or later
Browser	Latest version of Chrome, Edge, or other Chromium-based browsers
Plugins/Add-ons	HTML5 and JavaScript enabled for full functionality
Browser Settings	Enable hardware acceleration for better image rendering and processing

Browser Configuration and Compatibility

Browser Details	Specification
Browser Compatibility	The software is compatible exclusively with Chromium-based browsers.
Browser Version	Ensure the latest stable browser version is used. Avoid experimental or beta versions.
Credential Storage & Cache:	• Cookies and Local Storage should be enabled to store login credentials and preferences. • For Chrome, navigate to <i>chrome://settings/content</i> to allow local data to be set. • For Edge, select 'Don't block cookies' in the browser settings.
Browser Zoom Level	Ensure that the zoom level is set to 100% unless adjustments are needed for lower-resolution monitors.
GPU Utilization	Ensure hardware acceleration is enabled in browser settings (Chrome : <i>chrome://settings/system</i>).

Additional Browser Considerations

Topic to Consider	Specification
Internet Connection and Speed	Minimum recommended download speed is 100 Mbps. Check the actual internet speed using tools like Speedtest by Ookla.
VPN Usage	Assess whether using a VPN is necessary as it can impact performance. If possible, configure settings to bypass VPN when using the platform.
Intel GPU Issue	• If rendering issues occur with specific Intel GPUs, visit <i>chrome://flags/#ignore-gpu-blacklist</i> and enable 'ignore-blacklist'. • Configure the browser for compatible Angle settings at <i>chrome://flags/#use-angle</i>.

Specifications for General Users

Hardware Requirements

Requirement	Recommended Configuration	Minimum Configuration
CPU	Quad-Core CPU	Dual-core CPU
RAM	16 GB	8 GB
Free Storage	50 GB SSD	20 GB SSD
Display	1920 x 1080 resolution or higher	1366 x 768 resolution or higher

Network Requirements

Requirement	Specification
Connectivity	Stable internet connection with at least 50 Mbps download and upload speeds

Software Requirements

Requirement	Specification
Operating System	Windows 10 or later, macOS Catalina or later
Browser	Latest version of major browsers (Chrome, Firefox, Edge, Safari)

Additional Considerations

Security

Topic to Consider	Specification
Updates	Regular software updates and security patches are mandatory.

Scalability

Topic to Consider	Specification
Hardware and Storage	Systems should be scalable to handle increasing data and user load.

Conclusion

The detailed specifications and settings comprised within this document ensure that RamSoft's OmegaAI platform operates efficiently and securely across different user environments.