



PC & Display Minimal Specs

For Capture | Review & Analysis Configurations

- This document describes minimal specifications for PCs and monitors suitable for ASIs **capture and review platforms**, when not supplied by ASI.
- **Scanning platforms** are supplied with PC included.



Minimal Specs

PC Desktop | Laptop* Specification for Review & Analysis Platform

GenASIs Review and Analysis systems allow users to access images and analysis data stored in the GenASIs system, acquired through one of the capture or scanning platforms.



PC Case	Note: for ‘Aided Karyotyping’ option, a Tower PC case (supporting GPU specs described below) is mandatory!
Processor	Intel® Core i5-12500 Processor or higher
Memory	16GB 3600MHz DDR4 or higher
Internal Storage	500GB (or higher volume) SSD
Display Board	Supporting resolution of 2560 X 1440 or higher. If this station is reviewing a Capture station, for optimal performance of the ‘Aided Karyotyping’ option, it is essential to use a GPU: of 8GB VRAM, NVIDIA T1000 or higher, as per ASI’s approval.
Operating System**	Windows 11 64-bit (Version 22H2) or Windows 10 Pro 64-bit (Version 21H2)
Anti-Virus SW	***ESET NOD32 Antivirus version 16.1 – recommended

* For optimal display, it is recommended to connect the laptop to a monitor (by docking station or other connection) as defined in the *Recommended Display Specifications* section. If used without external display, the screen size should be at least 15.6

** ASI systems are developed in Windows environment and continue being tested in that same environment. To assure proper functionality of the system, it is very important that after installation of the system, no changes will be made. When installing using the WDS procedure, ASI disabled the Windows update functionality and therefore recommends that the original setup will be maintained.

*** Applied Spectral Imaging (ASI) recommends its customers to use the ‘ESET NOD32 Antivirus’ software with the GenASIs software.

The ‘ESET NOD32 Antivirus’ software was configured to perform optimally on ASI platforms. It has been tested and validated across ASI platforms. However, if you choose to use a different anti-virus software, please follow the guidelines provided in WI-SRV-051 (available upon request) however, the use of such different antivirus software (which has not been tested and validated by ASI) will be at your risk and responsibility. ASI shall not be liable to you for any failure relating to the use of such anti-virus, whether used in accordance with ASI’s guidelines or not.



Minimal Specs

PC specifications for Capture & Analysis Platform

GenASIs Capture and Analysis provides support for manual acquisition of images using manual or motorized microscopes.

Primary usage is for karyotyping, spot counting and HiPath applications.



PC Case		Mid-Tower/Tower orientation Note: for 'Aided Karyotyping" option, a Tower PC case (supporting GPU specs described below) is mandatory!
Processor		Intel® Core i5-12500 Processor or higher
Memory		16GB 3600MHz DDR4 or higher
Internal Storage	Bays	At least 2 internal bays, at least one 3.5"
	Client System	500GB (or higher volume) SSD
	Standalone System	2TB HDD/ SSD (or higher volume)
Display Board		Graphics processor, supporting resolution 2560 X 1440 or higher For optimal performance of the 'Aided Karyotyping' option, it is essential to use a GPU: 8GB VRAM, NVIDIA T1000 or higher, as per ASI's approval.
PC Slots		Total of 3 slots or more, at least 2 of them PCIe
Interfaces	USB	At least 4 USB ports (2 of them USB 3.1/3.0 with PowerShare)
Operating System *		Windows 11 64 bit (Version 22H2) or Windows 10 Pro 64 bit (Version 21H2)
Anti-Virus SW		**ESET NOD32 Antivirus version 16.1 - recommended

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Minimal Specs

25", 27" Recommended Display Specifications



General	Recommended Displays	DELL U2520D (25") DELL U2724D (27")
	Supported Resolution	QHD 2560 x 1440 @ 60 Hz
Display	Response Time	8ms
	Aspect ratio	16:9
Image	Brightness	350 cd/m2
	Contrast Ratio	1000:1
	Max H-View Angle	178
	Max V-View Angle	178
Misc.	Connection type	Digital DVI / HDMI / mini-DP
	Compatibility	Compatible with Windows 10 or Windows 11