

## Technical Specifications

### AiMS Client

Component	Minimum	Recommended
Operating System (OS)	Windows 10 / 11	
	macOS 11 / 12	
	Ubuntu 20.04	
	(All kinds of operating systems only support 64 bits)	
Processor (CPU)	1. Intel® i3 Series (9th or higher)	1. Intel® i5 Series (11th or higher)
Video Card (GPU)	1. Intel® UHD Graphics 630	1. Intel® UHD Graphics 750 or higher
	2. NVIDIA GeForce GTX 1060	2. NVIDIA GeForce GTX 16 Series
		3. NVIDIA GeForce GTX 20 Series
		4. NVIDIA GeForce GTX 30 Series
Memory (RAM)	8 GB	16 GB or more
Screen Resolution	1366 x 768 pixels	1920 x 1080 pixels
Network (NIC)	Ethernet port 10/100/1000 (1 Gigabit)	
Disk Spaces	2 GB free spaces	
Input Device	Keyboard, Mouse, Speaker or Earphones	

### AiMS Server

Component	Brand & Model	Specification
Operating System (OS)	Ubuntu 20.04	<b>Only supports 64 bits</b>
Motherboard (MB)	1. Intel® B660	1. Up to 12 Chipset PCIe 4.0 Lanes
	2. Intel® H670	2. Up to 8 SATA 3.0 (6 Gb/s) Ports
	3. Intel® Q670	3. Intel® Rapid Storage Technology
	4. Intel® Z690	4. Intel VMD
Processor (CPU)	1. Intel® 12th Processor (Alder Lake) i3-12300	1. CPU cores/threads up to 12/20
		2. Base frequency up to 3.7 GHz

Processor (CPU)	i5-12400	3. L3 cache up to 25 MB
	i7-12700	4. Default TDP is 125 W
Video Card (GPU)	1. NVIDIA GeForce GTX 16 Series	1. GPU memory up to 12 GB
	2. NVIDIA GeForce GTX 20 Series	2. Support GDDR6 memory type
	3. NVIDIA GeForce GTX 30 Series	3. Support CUDA 11.8 or higher
		4. Support OpenGL 3.0
		5. Support OpenGL 4.6
Memory (RAM)	8 to 32 GB	1. DDR4 (2666 ~ 3200 MT/s)
		2. DDR5 (5200 ~ 6000 MT/s)
Network (NIC)	Ethernet port 10/100/1000 (Gigabit)	
Disk Spaces	240 GB free spaces	1. SSD NVMe PCIe (M.2)
		2. SSD SATA
Power Supply (PSU)	450 to 750 Watt	1. 80 PLUS Gold
		2. 80 PLUS Platinum
		3. 80 PLUS Titanium
Screen Resolution	1920 x 1080 pixels	

### AI Functions

Functions	Analytics objects
Facial Analytics:	gender, age, face mask
Human Analytics:	gender, upper clothing type, upper clothing color, lower clothing type, lower clothing color
Vehicle Analytics:	vehicle type, vehicle color
Hat Analytics:	hat, cap, helmet
Uploaded Picture Search Analytics:	face, vehicle, apparel, hat