

SIMStation Enterprise

Servers	Client Computers
<p>If one of these limits is exceeded, then 2 separate servers are to be specified:</p> <ul style="list-style-type: none"> • 32 cameras and video capture devices • 32 mic inputs • 6 control stations (6 simultaneous recordings) <p>If all of these limits aren't exceeded, then 1 server will be enough</p> <p>Recording Server</p> <ul style="list-style-type: none"> • Recording Server hosts the web server, the core application and services, it records video data live on a SSD partition, and then stores the data for long-term on a SATA partition. Specs: • Rack Server min. 3U height (to be able to install regular profile PCIe graphics card or PCIe Dante card if needed for future expansion), or Tower-format Server • CPU Performance min. 14000 passmark points according to independent test cpubenchmark.net (such as Intel Xeon Silver 4210, or Intel Xeon E-2236 or AMD Epyc 7262) • 16GB DDR4 memory • HW RAID controller only with SATA (no NVMe) • SSD 480GB in RAID1 (2x480GB SSD) • HDD/SATA storage in RAID 5 (size depends on client's needs how long recordings shall be kept – usually between 12 and 30TB net storage; calculate with 10GB per hour of recordings) • 1x10Gb (optional) and 2x1Gb LAN ports • Redundant power supply • OS installed: Windows Server 2019 Essentials or above • Extra GPU optional (will be implemented in the future for faster Video Exporting) Must be on this list: https://developer.nvidia.com/video-encode-and-decode-gpu-support-matrix-new 	<p>Control PC</p> <ul style="list-style-type: none"> • Desktop PC • CPU Performance min. 15000 passmark points according to independent test cpubenchmark.net (such as Intel Core i7-10700 or AMD Ryzen 7 4700G) • Integrated graphics or better. • 16GB DDR4 memory • SSD 120GB • 1Gb LAN • HDMI output • OS installed: Windows 10 Pro • WiFi Card recommend (for easier support-access in case of network failure)

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<p>Audio Server</p> <ul style="list-style-type: none"> • Rack Server or Desktop Server • CPU Performance min. 11000 passmark points according to independent test cpubenchmark.net (such as <u>Intel Xeon E3-1270 v6 @ 3.80GHz</u> or <u>AMD Epyc 7262</u>), • 16GB DDR4 memory • HW RAID controller only with SATA (no NVMe) • SSD 480GB in RAID1 (2x480GB SSD) • 1x10Gb (optional) and 1x1Gb LAN ports • Redundant power supply • OS installed: Windows Server 2019 Essentials or above 	<p>Debriefing PC & MediaScreen PC</p> <ul style="list-style-type: none"> • Mini PC small form factor • CPU Performance min. 9500 passmark points according to independent test cpubenchmark.net (such as Intel Core i5-9400 or better) • Integrated graphics or better • 8GB DDR4 memory • SSD 120GB • 1Gb LAN • HDMI output • OS installed: Windows 10 Pro
<p>SIP/VOIP Server</p> <ul style="list-style-type: none"> • Mini PC with Rack Mount option (e.g. Shuttle DS-81) • CPU Performance min. 5000 passmark points according to independent test cpubenchmark.net (such as Intel Core I3-10320 AMD Ryzen 3 4300G) • 8GB DDR4 memory • SSD 120GB • 1x1Gb LAN port • DEBIAN Linux OS to be installed by SIMStation 	<p>Tablet PC</p> <ul style="list-style-type: none"> • Tablet PC • CPU Performance min. 2450 passmark points according to independent test cpubenchmark.net (such as Intel Celeron N4100) • 10 – 13 inch Full-HD Touchscreen Display • 4 GB DDR4 memory • SSD 64GB • WIFI 802.11 b/g/n/ac • OS installed: Windows 10 Pro • Keyboard Dock recommended
<p>SIMStation Restreaming Server</p> <ul style="list-style-type: none"> • Mini PC or PC with RAC mount option • CPU Performance min 18200 passmark points according to independent test cpubenchmark.net (such as Intel Core I7-9800x or AMD Ryzen 7 3700X or newer) min. 8 Core/16 Threads (depends on the number of HDMI encoders ½ CPU-Core per encoder) • 16GB DDR4 RAM @2666 MHz or better • SSD 120GB • 1x1Gbit LAN Port • Ubuntu 18.04 LTS to be installed by SIMStation 	