

# Workstation

The SOPAT system is an image-based measurement system that requires a powerful processing unit. SOPAT workstations are equipped with Graphical Processing Unit and the SOPAT Analysis Software Suite.



The SOPAT workstation is designed and tested to operate 24/7 in production environments. It fits easily into 19" cabinets. With the SOPAT Software Suite you connect with your SOPAT probe via Ethernet Cat5e to conduct image analysis on CPU or GPU. Cat5e connection length can be up to 90 m, for longer distances, optical fiber converter solutions for distances up to 10 km are available. For high dust load environments, a special workstation version with additional coolers is available.



### Complete your system:

- Connect via Ethernet (min. Cat5e) to your PCS
- Also runs as Windows Service
- A version with additional coolers is available for extreme ambient environments

Parameter	Specification
<b>Motherboard, CPU, RAM</b>	
Motherboard	STR4 H12SSL-C, 4x RAID controller, TPM 2.0, 3xPCIe 16x, 3xPCIe 8x, 2x Gigabit Ethernet
CPU	AMD EPYC 7252, 8-core/16 threads, 3.1/3.2 GHz
RAM	4x16 GB, DDR-4, 2666 MHz, ECC
<b>Dimensions &amp; Weights</b>	
Housing	19" 4U Server metal housing, 120 mm front side fan, 80 mm back side fan
Dimensions (HxWxD)	176 mm x 430 mm x 465 mm
Weight	16.7 kg
<b>Interfaces</b>	
Graphics Card	NVIDIA RTX 4000 SFF Ada Generation, 20 GB GDDR6, PCIe 4.0 x16, 4x DisplayPort - GPU/NN
Network adapter	i350-T2, 2x Gigabit Ethernet
<b>Hard Disks</b>	
SDD	2x 250 GB S-ATA-Solid State Disk, RAID 1, HP S700; 550/530 MB/s (r/w)
HDD	2x 4 TB S-ATA Seagate Sky Hawk; 7.200 rpm, 256 MB Cache, 180 MB/s (r/w)
<b>Temperatures</b>	
Minimum Operating Temperature	10°C
Maximum Operating Temperature	50°C
<b>Power</b>	
Power Supply Unit	750 W ATX
Power Consumption	~ 310 W