

PowerStation-CR-P-series

The Hawc PowerStation-CR-P-series is a line of powerful desktop workstation for client visualization up to 5K resolutions and H.265 (HEVC) decoding. The Hawc-PowerStation can support multiple video streams over 4 DisplayPort interfaces. Based on an Intel Core i7 platform and powered with a Nvidia P620 or P2000 graphics card the Hawc-PowerStation has no limits for your graphic requirements.

The PowerStation-CR-P-series allow to add an additional second graphics card to support up to 8 DisplayPort interfaces or increase the Nvidia hardware acceleration, when supported.

An integrated 1TB HDD allows to archive images and exports locally. The Hawc-PowerStation-series boot very fast thanks to SSD technology and offers full protection against viruses, malware and unauthorized software installation by use of the Microsoft Lockdown Features.



Specifications

Model name	PowerStation-CR-Pxxxx
Chassis Model	Desktop Midi tower
Chipset	Intel Z490
Processor	I7-10700K
Memory	2 x 8GB DDR4 2666 MHz DRAM (Dual Channel), Up to 64GB Max
Graphics	Intel integrated + P620 (2GB)
Network interface	1 x Gb LAN
Video interfaces	4 x mini-DP 1.4 (P620) or 4 x DP (P2000)
Audio Interfaces	Front: Mic + headphone, Rear: line-out/mic/speakers
Communication interfaces	Front: 2 x USB 3.0, 2 x USB 2.0 Rear: 1 x USB 3.1 Gen2 Type-A Port 1 x USB 3.1 Gen2 Type-C Port 4 x USB 3.1 Gen1 Ports 2 x PS/2
Storage type and size	240 GB M.2 (OS) + 1TB HDD (Storage)
Operating system	Windows 10 Enterprise
Power input/supply	90-240V AC, single supply 750W Gold 90%
Power Consumption	Average with 1 x P620: 90W/ Maximum with 1 x P620: 150W Maximum with 2 x P620: 190W
Chassis dimensions (HxWxD)	413 x 210 x 412 mm
Weight	7,5 Kg (minimal configuration)
Operating temperature	0°C – 40°C

Benchmarking results

i7-10700K + 1 x P620		Using Milestone Professional Plus Edition
Camera view at 2MP, H.264 @ 25FPS		45 Channels Max
i7-10700K + 2 x P620		
Camera view at 2MP, H.264 @ 25FPS		60 Channels Max
Camera view at 8MP, H.264 @ 20FPS		20 Channels Max
Camera view at 8MP, H.265 @ 20FPS		24 Channels Max
i7-10700K + 1 x P2000		
When using Milestone no additional performance compared to the P620 will be added		

All tests performed on a 4K monitor. The number of channels increases on monitors with a lower resolution.

In the box (P620)

1 x PowerStation-CL-P620
1 x mini-DP to DP adapter
1 x mini-DP to DVI adapter
1 x Power cord

In the box (P2000)

1 x PowerStation-CL-P2000
2 x DP to DVI adapter
1 x Power cord

PN's and options

PowerStation-CR-P620	Desktop Video Station with i7 - Up to 40 channels - 1 x Graphic card, 4 x mini-DP - P620
PowerStation-CR-P2000	Desktop Video Station with i7 - Up to 60 channels - 1 x Graphic card, 4 x DP - P2000
PS-CR-i9-Upgrade	PowerStation-CL-Px upgrade from i7-10700K to i9-10900K - Factory upgrade only
PS-CL-P2-16GB-Upgrade	Upgrade 16GB DRAM, 32GB Total for PowerStation-CL and Plus II
PS-CL-P2-64GB-Total	Upgrade to 64GB DRAM Total for PowerStation-CL and Plus II - Factory upgrade only
P620-Upgrade-LB	Additional Nvidia P620 card with long bracket. No connector adapters included
P2000-Upgrade	Additional Nvidia P2000 card with long bracket. No connector adapters included
mDP-HD-Adapter	Adapter from mini-DisplayPort to HDMI
mDP-DP-Adapter	Adapter from mini-DisplayPort to DisplayPort
mDP-DVI-Adapter	Adapter from mini-DisplayPort to DVI-I
mDP-VGA-Adapter	Adapter from mini-DisplayPort to VGA