

A-SERIES

COMPREHENSIVE VIDEO ANALYTIC SERVERS



The Seneca Analytics A-Series offer tiers of products designed specifically for analytics applications. System specifications carefully align to the required workload for analytic workflow. With both power and flexibility in mind, the A-Series scales alongside the number of users and cameras being serviced by the analytics application. Purpose-built for deep learning, computer vision and analytic acceleration, the A-Series harnesses the power of both graphics and core processing and the expertise from Seneca Advanced Engineering to present an unmatched solution for the demanding analytics marketplace.

- Scalable Solution
- Powered by Nvidia GPU
- Ideal for Analytics

KEY FEATURES

- Purpose-Built
- GPU Acceleration
- Flexible Architecture
- VMS Optimized/Certified
- Lab-Tested
- Global On-Site Warranty

BEYOND ANALYSIS

Mission critical environments require unquestionable reliability. When safety and security are on the line, there can be no compromise. Situational awareness based on accurate intelligence is a minimum, especially when split-second decisions can be a matter of life or death. Beyond just the analysis of data, Seneca A-Series analytics servers are developed from the ground up to not only provide the power and reliability needed for these situations, but the compatibility and design features required for industry leading analytic, computer vision and deep learning applications. The Seneca A-Series product is more than just a box built to spec ... It is a peace-of-mind solution from a brand you can trust.



— POWERED BY —
DELL Technologies

A-SERIES

SPECIFICATIONS

SYSTEM	A1	A2	A3	A4
Processor	Intel Core i7 10700K	Intel Core i7 10700K	Intel Scalable Xeon Silver 4215R (Gold 6248R upgrade option)	Dual Intel Scalable Xeon Silver 4215R (Gold 6248R upgrade option)
OS	Microsoft Windows 10 Pro	Microsoft Windows 10 Pro	Microsoft Windows 10 Pro, Windows Server 2019	Microsoft Windows 10 Pro, Windows Server 2019
Memory	32GB DDR4 2666MHz UDIMM Non-ECC (4x8GB) (Up to 64GB)	64GB DDR4 2666MHz UDIMM Non-ECC (4x16GB) (Up to 128GB)	128GB DDR4 2666MHz Rdim ECC (4x32GB) (Up to 192GB)	256GB DDR4 2666MHz Rdim ECC (4x64GB) (Up to 384GB)
Graphics	1x Nvidia RTX 4000 GPU	Up to 2x Nvidia Quadro RTX4000	Up to 2x Nvidia Quadro RTX4000 3x DP, 1x VirtualLink 4x DP	Up to 4x Nvidia Quadro RTX4000, 1x VirtualLink 4x DP
Networking	1x Intel GbE Lan	1x Intel GbE Lan, 1x Aquantia 10GbE	Broadcom 5720 4xGbE LAN	Broadcom 5720 4xGbE LAN
IO	Rear I/O 1x Serial Port 1x PS2 Port (Keyboard) 1x PS2 Port (Mouse) 2 x Display Port 2x USB 2.0 2x 1GbE RJ45 Network Connectors (1 Via Motherboard I/O, 1 Via PCIe Card) 1x USB 3.2 Type A Gen2 2x USB 3.2 Type A Gen1 1x Audio Line Out Front I/O 1x Universal Audio Jack 1x USB 3.2 Type A Gen2 1x USB 3.2 Type C Gen2x2	Rear I/O 2x USB Type-C 3.1 1x Serial DB9 1x 1GbE RJ45 1x 10GbE RJ45 Front I/O 1x Universal Audio Jack 1x USB Type-C 3.1 2x USB Type-A 3.1	6x Hot Swap HDD VGA (Front) USB Management Port (Front) 2xUSB2.0 (Front) Serial Connector (Rear) VGA (Rear) 2xUSB3.0 (Rear) 4x GbE LAN	6x Hot Swap HDD VGA (Front) USB Management Port (Front) 2xUSB2.0 (Front) Serial Connector (Rear) VGA (Rear) 2xUSB3.0 (Rear) 4x GbE LAN

MECHANICAL

Warranty	5 Year Global Next Day, Onsite Warranty Standard	5 Year Global Next Day, Onsite Warranty Standard	5 Year Global Next Day, Onsite Warranty Standard	5 Year Global Next Day, Onsite Warranty Standard
Form Factor	Tower	1U Rack	2U Rack	2U Rack
OS Drives	2x 256GB SATA SSD	Up to 2x 256GB SATA PCIe x4 NVMe (Raid 1)	2x 512GB SSD (Raid1)	2x 512GB SSD (Raid1)
Raw Storage	Up to 32TB	Up to 32TB	Up to 96TB	Up to 96TB
Drive Bays	2x 3.5" Drive Bays	2x 3.5" Drive Bays	8x 3.5" Drive Bays (6 Open in Raid 1)	8x 3.5" Drive Bays (6 Open in Raid 1)
Raid Controller	NA	NA	Perc H740P HW Raid 12Gbps SAS/ SATA(6.0Gb/s) 8GB Cache	Perc H740P HW Raid 12Gbps SAS/ SATA(6.0Gb/s) 8GB Cache
Power Supply	460W up to 90% efficient PSU (80Plus Gold)	550W Single PSU	Dual Non-Redundant Power Supplies, 1600W @220V	Dual Non-Redundant Power Supplies, 1600W @220V
Dimensions	Height: 13.18" (335mm), Width: 6.95" (176.6mm), Depth: 13.58" (345mm)	Height 168" (42.8mm), Width 18.98" (482.0 mm), Depth 23.19" (589.1 mm)	Height: 3.42" (186.8mm) x Width: 18.98" (482mm) x Depth: 28.17" (715.5mm)	Height: 3.42" (186.8mm) x Width: 18.98" (482mm) x Depth: 28.17" (715.5mm)
Weight	18.50lb (8.39kg)	19.27lb (8.74 kg)	63.05lb (28.6kg)	63.05lb (28.6kg)



— POWERED BY —
DELL Technologies

Specifications are subject to change, contact your account representative for current configuration.
Intel, the Intel logo, Xeon, and Xeon Inside are trademarks or registered trademarks of Intel Corporation in the U.S. and/or other countries.