

Assurance 300 Series



Easy installation and integration in a competitive package

The Seneca Assurance 300 series NVR takes the term “assurance” far beyond just a name. Designed with best-in-class enterprise components, this appliance and mission-critical projects go hand-in-hand. High throughput and performance balance your camera load while scalable architecture keeps stride with your retention requirements.

To guarantee a truly optimized platform, the Arrow Advanced Engineering Team integrates VMS-specific performance tunings right out of the box, making installation and integration easier than ever. All of this and more, backed by industry-leading support, gives the Seneca Assurance 300 series an unparalleled competitive edge.

Seneca makes setup simple. Quickly install your preferred VMS on the appliance and apply settings for optimal playback – no internet required – with our proprietary software. Comprehensively monitor your entire fleet of devices and get proactive alerts with our premier remote management platform. Remote access means fewer truck rolls. Minimize disruption and ensure business continuity with Seneca’s integrated backup and disaster recovery software.



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DELL Technologies

Win 10 IoT, Win 11 Pro, Windows Server
IoT 2019 Essentials and 2022 Standard

Intel® Xeon® Silver processor

Up to 360 TB of raw storage

2U rackmount form factor

Five-year global next-day, on-site
service warranty

RAID options 0, 1, 5, 6, 10

Tested, validated, and certified with top
VMS applications

Provides 300-400 Mbps recording rate
performance

Industry-leading remote management
hardware monitoring ensures maximum
uptime

Specifications



| | | |
|---------------|-----------------------------|--|
| SYSTEM | Processor | Intel® Xeon® Silver 4309Y (Xeon® Silver 4216 18 Bay) |
| | Operating System | Windows Server IoT Essentials; Windows 10 IoT |
| | Manufacturer | Seneca |
| | Memory | Default: 16GB (2x8GB) DDR4 2666MHz Option: Up to 64GB DDR4 2666MHz |
| | Maximum Data Storage | Up to 360TB |
| | Video Outputs | VGA Optional NVIDIA Quadro T400 or T1000 GPU |
| | Graphics | Onboard Graphics |
| | Networking | 4 x 1GbE with Optional 10GbE SFP+ |
| | USB | Front: 1 x USB 2.0 Rear: 1 x USB 2.0, 1 x USB 3.0 |
| | RAID | Operating System RAID: 2 x 240GB SSD (RAID 1) Data RAID Level: JBOD, 0, 1, 5, 6, 10 |
| | Hardware Monitoring | Pre-Installed with Seneca xConnect Server Agent; iDRAC |
| | Warranty | 5-Year Global Next-Day, On-Site Warranty Standard, Keep Your Hard Drive Option |

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|-------------------|-------------------------------|--|
| MECHANICAL | Form Factor | 2U Rackmount |
| | OS Drive Bays | 2x 240GB M.2 via BOSS PCIe Card |
| | Data Drive Bays | 12/18 Bay Hot Swap Drives |
| | Power Supply | 12 Bay - Dual 800W Hot Plug Redundant PSU 18 Bay - Dual 1100W Hot Plug Redundant PSU |
| | Ambient Operating Temp | 10°C to 35°C (50°F to 95°F) |
| | Operating Humidity | 5% ~ 90% Non-Condensing |
| | Dimensions (w x h x d) | 12 Bay: 18.98 x 3.4 x 27.86 in / 482 x 86 x 708 mm 18 Bay: 18.98 x 3.4 x 28.16 in / 482 x 86 x 715 mm |
| | Weight | 12/18 Bay: 75 lbs / 33.0 kg |



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