



ViconNet Shadow Elite Nucleus Servers

Best-in-class Nucleus Servers to ensure a reliable backbone for your ViconNet system

Powered by Dell and Intel Technology



Summary

The ViconNet Shadow Elite Nucleus Servers unite reliability, performance and convenience to create the perfect foundation for your ViconNet system. With top-of-the-line Dell components and redundant power supply in the rack-mount option, these servers give you confidence that your system will perform even in the most challenging installations. They are available in two form factors – a small tower and a 1U rack-mount option – so they can adapt seamlessly to your surveillance operation.

Product at a Glance

- ▶ Available as SFF desktop or a 1U rack-mount server
- ▶ Dual redundant power supply available on rack-mount server
- ▶ Install quickly with ViconNet pre-installed
- ▶ Powered by best-in-class Dell and Intel technology
- ▶ Offers peace of mind with 5-year warranty with next business day, on-site support
- ▶ Safeguard your system with SafeBIOS, SafeID, TPM 2.0



Powered by Dell & Intel for Machines that Last

- Top-of-the-line components ensure long-lasting performance
- Future-proof your operation with the latest-gen technology



Installs in Minutes with Preloaded ViconNet Software

- ViconNet Nucleus preloaded for installation in minutes



Backed by a 5-Year Warranty and 24/7 Support

- Includes next business day on-site support
- Covers all components (including HDD)

Specifications (VICON-CERTIFIED HARDWARE)

Model	Small Form Factor NESA-SF000D	Rack-Mount NESA-1U000D
Operating System:	Microsoft® Windows® 10 Enterprise IoT	
CPU/RAM:	Intel® Core® i3 10th Gen, 8 GB DDR4	Intel Core i7 9th Gen: 16 GB DDR4
OS Drive:	1x 256GB M.2 NVMe SSD	
Max. Supported Data Drives:	1x 3.5" max	2x 3.5" max
Max. Storage (Gross):	16 TB	32 TB
Data Drives Configuration:	SATA	
Networking:	2x 1GbE RJ-45, Intel 82574	1x 10GbE RJ-45, Aquantia
Video:	Intel UHD 630 (1x HDMI + 1x DP); supports two 4K monitors	Nvidia Quadro P620 (4x mini-DP*); supports quad 4K monitors
Additional Rear Panel I/O:	2x USB 3.2 + 2x USB 2.0; 1x Line-in/Line-out; 1x Kensington Lock	2x USB Type-C; 1x Serial
Front Panel I/O:	2x USB 3.2 + 2x USB 2.0; 1x Headphone	1x USB 3.1 Type-C; 2x USB 3.1; 1x Headphone; 1x SD Card Reader
Electrical		
Power Supply:	200 W	550 W, dual redundant
Typical Power Consumption:	100 W (350 BTU)	100 W (350 BTU)
Max. Power Consumption:	200 W (650 BTU)	220 W (750 BTU)
Mechanical		
Application:	Indoor	
Mounting:	Desktop	Rack mount; 1U
Dimensions (HxWxD):	11.42 in. (290.1 mm) x 3.65 in. (92.7 mm) x 11.53 in. (292.9 mm)	1.75 in. (44.5 mm) x 19 in. (483 mm) x 23.19 in. (589 mm)
Weight:	8.44 lb (3.83 kg)	42.6 lb (19.3 kg)
Construction:	Steel and plastic	
Environmental		
Operating Temperature:	50° to 95°F (10° to 35°C)	
Humidity:	20 to 80% relative, non-condensing	10 to 85% relative, non-condensing
Country of Origin:	Mexico	

*DP to HDMI adapters included.

Ordering Information Scheme

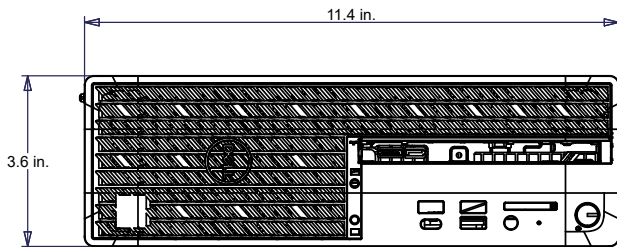
Model	Mounting Type	HDD Storage	Model Number
Nucleus Server preloaded with ViconNet Nucleus server software; no data drives	Small Form Factor	None	NESA-SF000D-N00
	1U Rack-Mount	None	NESA-1U000D-N04

Nucleus Server: Small Form Factor Model

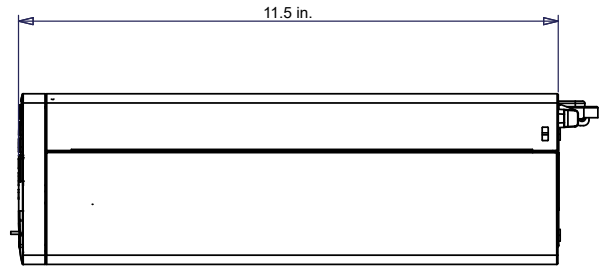
Includes five year NBD onsite KYHD (Keep Your Hard Drive) warranty with UL/FCC/CE and other required certifications.

Model Name	Storage
Intel i7 System	
NESA-SF000D-N00	No storage

Dimensional Drawing

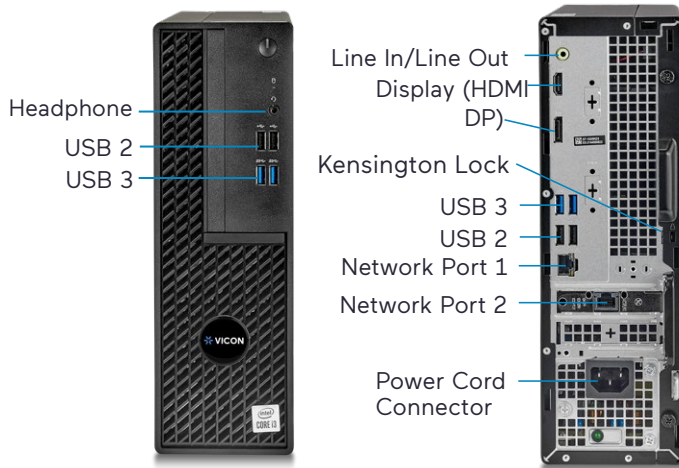


FRONT VIEW



SIDE VIEW

Front and Rear Panel Controls and Connectors

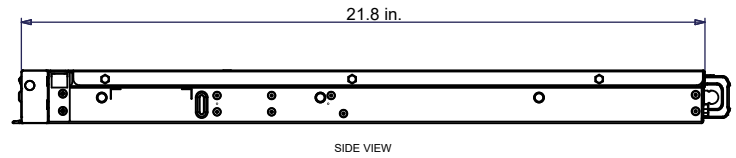
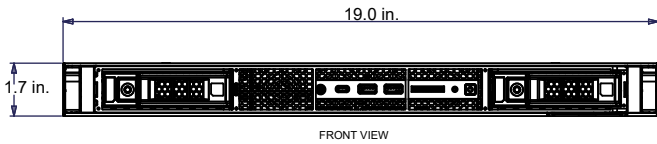


Nucleus Server: 1U Rack-Mount Model

Includes five year NBD onsite KYHD (Keep Your Hard Drive) warranty with UL/FCC/CE and other required certifications.

Model Name	Storage
Intel i7 System; Four Video Out	
NESA-1U000D-N04	No storage

Dimensional Drawing



Front and Rear Panel Controls and Connectors

