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ViconNet Shadow Elite VMDC Controllers

Reliable, matrix solution for ViconNet systems that provides the ability to direct network video to multiple monitors

Powered by Dell and Intel Technology

DELL · (intel)

Summary

The ViconNet Shadow Elite VMDC Controllers that provide a scalable matix solution for small and large installations. They are perfect for systems that require large monitor displays. The Shadow Elite Controllers are available in two form factors, mid tower or a 1U rack-mount, and a decoder that is a micro desktop, providing an option for any installation.

Product at a Glance

▸ Available in mid-tower or 1U-rack; decoder micro desktop

▸ Designed for environments with a command center and video walls

▸ Install quickly with ViconNet VMDC 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 VMDC Software

• ViconNets VMDC 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	Mid-Tower NECA-MTXXXD	Rack-Mount NECA-1UXXXD	Micro Desktop NECA-MCXXXD
Operating System:	Microsoft® Windows® 10 Enterprise IoT		
CPU/RAM:	Intel® Core® i7 12th Gen, 16 GB DDR4	Intel Core i7 9th Gen, 16 GB DDR4	Intel Core i3 10th Gen, 8 GB DDR4
OS Drive:	1x 256 GB SSD		
Max. Supported Data Drives:	3x 3.5" max	2x 3.5" max	1x 2.5" max
Networking:	1x RJ-45; 10/100/1000 Mbps	1x 1GbE RJ-45, Intel i219; 1x 10GbE RJ-45, Aquantia	1x 1GbE RJ-45
Video:	Nvidia® Quadro T400 (3x mini-DP*); supports dual/quad/hex 4K monitors	Nvidia Quadro 4x mini-DP*; supports quad 4K monitors	Intel HD (HDMI+DP); supports dual 4K monitors
Additional Rear Panel I/O:	2x USB 3.2 + 2x USB 2.0 + 2 USB-C; Line out audio; Kensington lock; Expansion slots	2x USB Type-C; 1x Serial	4x USB 3.2 Gen 1; 1x Kensington Lock
Front Panel I/O:	2x USB 3.1 Type C; 2x USB 3.2; 1x Audio Jack; SD Card Reader; Power button with diagnostic LED; Optical Disk drive and activity light	1x USB 3.1 Type-C; 2x USB 3.1; 1x Headphone; 1x SD Card Reader	1x USB 3.2 + 1x USB 3.2 Type-C; 1x Line Out; 1x Headphone
Electrical			
Power Supply:	500 W	550 W dual redundant	1x 65 W external PSU
Typical Power Consumption:	150 W (500 BTU)	100 W (350 BTU)	60 W (200 BTU)
Max. Power Consumption:	325 W (1705 BTU)	200 W (650 BTU)	120 W (400 BTU)
Mechanical			
Application:	Indoor		
Mounting:	Desktop	Rack mount; 1U	Desktop
Dimensions (HxWxD):	14.68 in. (372.9 mm) x 6.81 in. (173 mm) x 16.54 in. (420.2)	1.75 in. (44.5 mm) x 19 in. (483 mm) x 23.19 in. (589 mm) (with bezel)	7.17 in. (182 mm) x 1.42 in. (36 mm) x 7.02 in. (178.56 mm)
Weight:	36.06 lb (16.36 kg) max depending on configuration	42.6 lb (19.3 kg)	2.56 lb (1.16 kg)
Construction:	Steel and plastic		
Environmental			
Operating Temperature:	41° to 113°F (5° to 45°C)		
Humidity:	20 to 85% relative, non-condensing	10 to 85% relative, non-condensing	20 to 80% relative, non-condensing
Country of Origin:	Mexico		

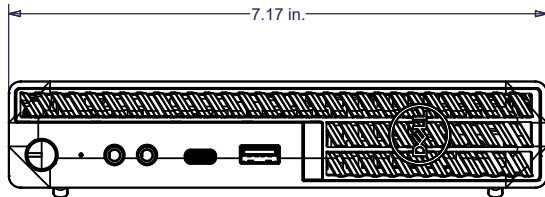*DP/Mini-DP to HDMI adapters are included.

Ordering Information Scheme

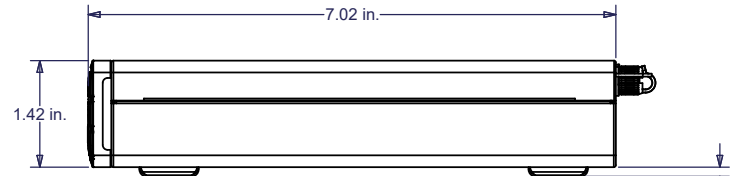| Model	Mounting Type	Model Number*
VMDC Controller/Decoder preconfigured with ViconNet VMDC software	Mid-Tower	NECA-MTXXXD
	1U Rack-mount	NECA-1UXXXD
	Micro	NECA-MCXXXD

Decoder: Micro Form Factor Model

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

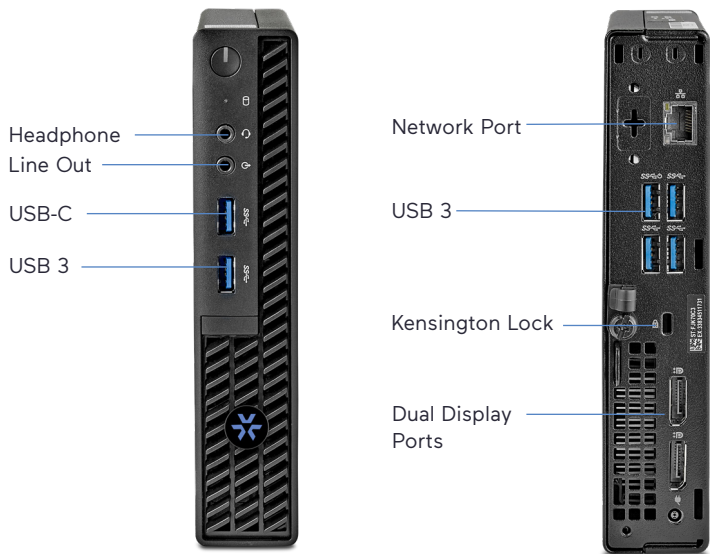| Model Name	Monitor Support
NECA-MC000D-N00	2 4K monitors

Dimensional Drawing

7.17 in.

FRONT VIEW

7.02 in.

1.42 in.

0.12 in.

SIDE VIEW

Front and Rear Panel Controls and Connectors

Headphone

Line Out

USB-C

USB 3

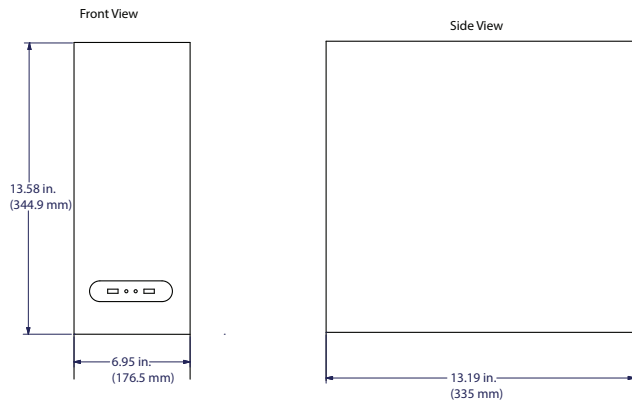Network Port

USB 3

Kensington Lock
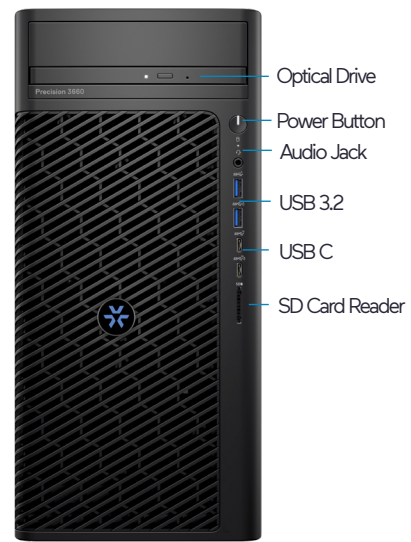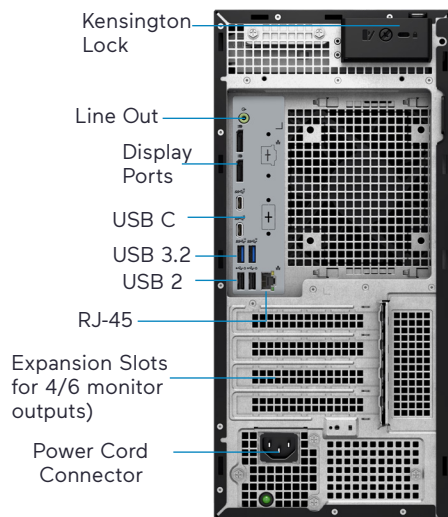
Dual Display
Ports

VMDC Controller: Mid-Tower Model

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

Model Name	Monitor Support
NECA-MT000D-N01	2 4K monitors
NECA-MT000D-N04	4 4K monitors
NECA-MT000D-N06	6 4K monitors

Dimensional Drawing

Front View

Side View

13.58 in.
(344.9 mm)

6.95 in.
(176.5 mm)

13.19 in.
(335 mm)

Front and Rear Panel Controls and Connectors

Kensington Lock

Line Out

Display Ports

USB C

USB 3.2

USB 2

RJ-45

Expansion Slots for 4/6 monitor outputs)

Power Cord Connector

Optical Drive

Power Button

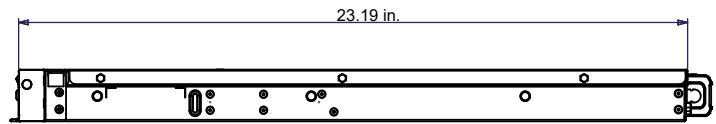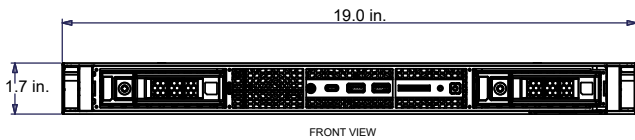Audio Jack

USB 3.2

USB C

SD Card Reader

VMDC Controller: 1U Rack-Mount Models

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

Model Name	Monitor Support
NECA-1U000D-N04	4 4K monitors
NECA-1U000D-N06	8 4K monitors

Dimensional Drawing

19.0 in.

1.7 in.

FRONT VIEW

23.19 in.

Front and Rear Panel Controls and Connectors

Headphone   USB-C   USB 3   SD Card Reader

Video mini-DP   USB-C   Serial   RJ-45   Power Cord Connector

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