



NUCLEUS RM CAPTURE 16X3

As network bandwidth usage increases dramatically in both the enterprise and consumer markets, your customers need ways to capture sufficient amounts of data to make informed decisions about their networks. Solution providers must offer the best systems at a reasonable cost, whether it's for optimizing traffic, enforcing security, or monitoring application performance. With that expectation comes demands on the hardware, and typical NAS or SAN products are not ideal for use as network monitoring devices.

The Nucleus RM Capture 16X3 is a customizable, reliable, high-throughput platform for data recording. Key features that differentiate this from other platforms

are massive storage capacity (in the form of 16 front-access 3.5" hard drives), and deep customization options (including proprietary IO modules and custom branding).

True to NextComputing's architecture, the Nucleus RM Capture 16X3 also features high-performance multi-core processing, near limitless expandability, and additional services such as configuration management and integration.

The Nucleus RM Capture 16X3 enables very high sustained write-to-disk rates for capturing network traffic at full 10Gb/s line rate or higher, while flexible I/O provides future expansion to faster interfaces such as 40G and 100G Ethernet.



Front view



Rear view

**16 front-access 3.5"
removable hard drives**

**Two rear-access 2.5"
removable system
drives**

**Single or Dual Intel®
Xeon® or Intel® Core™ i7
processors**

**Up to 512GB DDR4
memory**

**Up to 7 full-length,
full-height PCIe 3.0
slots**

**Redundant 1300W
power supply or 48V DC
power option**

**25.5" rack depth,
3U height**

Available CPUs	Single or dual Intel® Xeon or single Intel® Core™ i7 (including v3 versions)
Memory	Up to 512GB DDR4 2133MHz RAM
PCI Expansion	Up to (7) full-length, full-height PCI Express 3.0 slots
Removable Storage	<ul style="list-style-type: none"> • Up to (16) front-access removable 3.5" SATA (up to 4TB) or SAS (up to 900GB) hard drives • Up to (2) rear-access removable 2.5" SATA (up to 1TB), SAS (up to 2TB), or Solid State (up to 1TB) hard drives • Encryption options available
RAID	Onboard RAID 0/1/5/10, or via add-on PCIe RAID controller
Operating Systems	<ul style="list-style-type: none"> • Windows 2012 server, Windows 7 Pro/Ultimate, and Windows 8 Pro/Ultimate • CentOS, Red Hat and other Linux distributions, VMWare ESXi and other virtualization environments
Power	<ul style="list-style-type: none"> • 700W 50/60Hz 110/220V AC power supply • 650W 50/60 Hz 110/220V AC, 1+1 redundant • 1300W 50/60 Hz 110/220V AC, 2+1 redundant hot-swappable • 650W 48V DC, 1+1 redundant • 1300W 48V DC, 2+1 redundant hot-swappable
Physical	16.5" (W—not including side rails) x 5.25" (H) x 25.5" (D)
Optional Equipment	<ul style="list-style-type: none"> • Swing-out LCD panel for system monitoring and control • Rugged rolling transit cases in 4U, 6U, and 8U sizes • 1U, 17" folding rack-mount LCD console with keyboard, touchpad, and 8-port KVM • DVD-RW / BluRay optical drive
Warranty	1 year parts and labor; 2nd and 3rd year warranties available