



NUCLEUS CAPTURE 20X2

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.

NextComputing engineered the Nucleus Capture 20x2 to fulfill the needs of OEM solution providers and integrators looking for a powerful, reliable, and customizable platform for high-speed data recording.

The Nucleus Capture 20x2 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. Finally, fast, multi-core processors can accelerate your applications by leveraging high-throughput Intel processor architecture for more efficient analysis of captured traffic.

Like all NextComputing products, the Nucleus Capture 20x2 is completely customizable, including custom branding of your logo, software validation, and product configuration control to ensure your appliance is delivered to your customer consistently every time.



Front view



Rear view

**20 front-access
removable hard drives**

**Separate OS/
application drives**

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

**Up to 512GB DDR4
memory**

**Up to 7 full-length, full-
height PCI Express slots**

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

**Short 20" rack depth,
3U height**

Available CPUs	Single or dual Intel® Xeon or single Intel® Core™ i7
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 (20) front-access removable SATA, SAS, or Solid State hard drives Up to (2) rear-access removable SATA, SAS, or Solid State hard drives
Available Drive Capacities / Features	<ul style="list-style-type: none"> SATA up to 2TB each SAS up to 2TB each Solid State Drives up to 4TB each 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 Server 2012, 2016, Windows 7 Pro/Ultimate, and Windows 8 Pro/Ultimate, Windows 10 Pro 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	<ul style="list-style-type: none"> 16.5" (419.1mm) W—not including side rails x 5.25" (133.35mm) H x 20" (508mm) D
Optional Equipment	<ul style="list-style-type: none"> 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