



## 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**

**Workstation-class  
processors**

**Up to 512GB DDR4  
memory**

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

**Redundant AC or DC  
power supplies**

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

<b>Available CPUs</b>	<ul style="list-style-type: none"> <li>• Single Intel Core, Intel Xeon, AMD Ryzen, or AMD EPYC processor</li> <li>• Single or dual Intel Xeon processors</li> </ul>
<b>Memory</b>	Up to 512GB DDR4 2133MHz RAM
<b>PCI Expansion</b>	Up to (7) full-length, full-height PCI Express 3.0 slots
<b>Removable Storage</b>	<ul style="list-style-type: none"> <li>• Up to (20) front-access removable SATA, SAS, or Solid State hard drives</li> <li>• Up to (2) rear-access removable SATA, SAS, or Solid State hard drives</li> </ul>
<b>Available Drive Capacities / Features</b>	<ul style="list-style-type: none"> <li>• SATA up to 2TB each</li> <li>• SAS up to 2TB each</li> <li>• Solid State Drives up to 4TB each</li> <li>• Encryption options available</li> </ul>
<b>RAID</b>	Onboard RAID 0/1/5/10, or via add-on PCIe RAID controller
<b>Operating Systems</b>	<ul style="list-style-type: none"> <li>• Windows Server, Windows 10 Pro</li> <li>• CentOS, Red Hat and other Linux distributions, VMWare ESXi and other virtualization environments</li> </ul>
<b>Power</b>	<ul style="list-style-type: none"> <li>• 680W Gold Plus PSU</li> <li>• 1100W 50/60Hz 110/220V AC 1+1 redundant</li> <li>• 1100W 48V DC, 1+1 redundant</li> </ul>
<b>Physical</b>	<ul style="list-style-type: none"> <li>• 16.5" (419.1mm) W—not including side rails x 5.25" (133.35mm) H x 20" (508mm) D</li> </ul>
<b>Optional Equipment</b>	<ul style="list-style-type: none"> <li>• Rugged rolling transit cases in 4U, 6U, and 8U sizes</li> <li>• 1U, 17" folding rack-mount LCD console with keyboard, touchpad, and 8-port KVM</li> <li>• DVD-RW / BluRay optical drive</li> </ul>
<b>Warranty</b>	1 year parts and labor; 2nd and 3rd year warranties available