

## SHIELD | ENT R12E



2U Rackmount Enterprise Server NVR  
Remote Management (IPMI & KVM)

<b>168TB</b> Max Storage	<b>200</b> Max Cameras	<b>1680Mb</b> Throughput	<b>15000</b> Total FPS
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## SHIELD | ENT R36E



4U Rackmount Enterprise Server NVR  
Remote Management (IPMI & KVM)

<b>504TB</b> Max Storage	<b>250</b> Max Cameras	<b>1680Mb</b> Throughput	<b>15000</b> Total FPS
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SHIELD   ENT R12E 200 Camera NVR		SHIELD   ENT R36E 250 Camera NVR
Intel® Xeon E™ 4.5Ghz CPU 6 Core / 32GB ECC DDR4 RAM	<b>Processing</b>	Intel® Xeon E™ 4.5Ghz CPU 6 Core / 32GB ECC DDR4 RAM
Up to 168TB, 12x Enterprise Class 7200 RPM, SATA 6Gb/s 3.5" HDD's., 2.5M MTBF. 600k Duty Cycle, Certified 24/7 Operation	<b>Video Storage</b>	Up to 504TB, 36x Enterprise Class 7200 RPM, SATA 6Gb/s 3.5" HDD's., 2.5M MTBF. 600k Duty Cycle, Certified 24/7 Operation
Mirrored 250GB Enterprise 3D TLC Flash SSD SATA3 Dedicated for OS/VMS	<b>System Storage</b>	Mirrored 250GB Enterprise 3D TLC Flash SSD SATA3 Dedicated for OS/VMS
Dual Intel 1Gbit Eth RJ45 + 1Gb IPMI (2x 10Gb upgrade avail)	<b>Networking</b>	Dual Intel 1Gbit Eth RJ45 + 1Gb IPMI (2x 10Gb upgrade avail)
Hardware RAID 6 Double Fault Tolerance w/ HW XOR Engine Battery backed CacheVault, patrol read repairs	<b>RAID</b>	Hardware RAID 60 Double Fault Tolerance w/ HW XOR Engine Battery backed CacheVault, patrol read repairs
Intel P630 QuickSync GPU w/ GPU Tuned FW & Services (Optional Nvidia GPU card)	<b>GPU</b>	Intel P630 QuickSync GPU w/ GPU Tuned FW & Services (Optional Nvidia GPU card)
Microsoft Windows Server 2019 Standard	<b>OS</b>	Microsoft Windows Server 2019 Standard
550W Dual Redundant hot swap Output @ 100-240V, 8-10.5A, 50-60Hz	<b>Power</b>	1200W Dual Redundant hot swap Output @ 100-240V, 10-19.5A, 50-60Hz
Standard 19" Rackmount w/Rails 2U height 444mm(W) x 87.6mm(H) x 670mm(D) 17.5"(W) x 3.5"(H) x 26.7"(D) Ship WeightW/ 12x HDDs = 40k/87lbs	<b>Physical</b>	Standard 19" Rackmount w/Rails 4U height 444mm(W) x 179mm(H) x 670mm(D) 17.5"(W) x 7"(H) x 26.7"(D) Ship Weight: W/ 36x HDDs = 70k/155lbs

SHIELD   ENT R12E Enterprise NVR		SHIELD   ENT R36E Enterprise NVR
3 Years Advanced Warranty with NBD Advanced Parts Replacement of Field Replaceable Units (FRUs)	<b>Warranty</b>	3 Years Advanced Warranty with NBD Advanced Parts Replacement of Field Replaceable Units (FRUs)
12x front accessible HDD's, 2x SSD's, Redundant Power Supplies, Fans	<b>Hot-Swap</b>	24 or 36x front accessible HDD's, 2x SSD's, Redundant Power Supplies, Fans
1 x 3.1, 3x 3.0 USB Ports (VMS Client Software NOT supported on server)	<b>USB</b>	1 x 3.1, 3x 3.0 USB Ports (VMS Client Software NOT supported on server)
Milestone XProtect, Avigilon ACC7 or ONSSI Ocularis 5 Pre-loaded, GPU Active & Performance tuned.	<b>VMS</b>	Milestone XProtect, Avigilon ACC7 or ONSSI Ocularis 5 Pre-loaded, GPU Active & Performance tuned
Out of Band (OOB) Remote Management including: IPMI System Management, KVM Console Redirection, Virtual Media Management, Trap Receiver, System Power Control, HDD & SSD Management, System Diagnostic (w/ Super Diagnostics Offline), IPv6, Serial-over-LAN, Boot Override, Firmware Upgrade, Sensors and Event log, Power Supply and BBP Monitoring	<b>Management</b>	Out of Band (OOB) Remote Management including: IPMI System Management, KVM Console Redirection, Virtual Media Management, Trap Receiver, System Power Control, HDD & SSD Management, System Diagnostic (w/ Super Diagnostics Offline), IPv6, Serial-over-LAN, Boot Override, Firmware Upgrade, Sensors and Event log, Power Supply and BBP Monitoring

