

StarNET PRO 256 Channel NVR Server

96TB Max Storage Server with Quad NIC, 256 Max Full HD Channel Count, Redundant Power Supplies, and Rack Mountable



The StarNET Pro Series 256 Channel NVR Servers provide up to 256 channels of Full HD real-time recording and live display. The StarNET Pro Series NVR Servers offer advanced H.265 compression coupled with an Intelligent Codec that delivers incredibly clear images while reducing storage space by as much as 50%. The powerful capability of the StarNET Pro Video Management System makes this recorder an ideal choice for large distribution centers and warehouses. The StarNET Pro 256 channel recorder delivers a complete network surveillance solution that meets the demands of user applications from

a single location to more complex multi-site locations. The StarNET Pro Video Management System can support enterprise level deployments and provide a complete management system that will keep constant command of the entire system from a central location and keep administrators alerted of important alarms. As with all Costar recording platforms, the StarNET Pro Series NVR Server maintains its compatibility to the StarNET Pro Remote Access interfaces and all its analytic and back up capabilities.



**StarNET Pro
Pre-Installed**



**Windows Server
Embedded OS**



**96TB of On-Board
Storage**



**Hot Swappable
Front Drives**



Four Gigabit NICs



**Dual SSD OS
Drives**



8 Drive Capacity



**RAID Storage
and Options**

Series Features

- Pre-installed with StarNET Pro Video Management System
- Dual Solid State OS Drives (SSD)
- Supports 96 Terabytes of internal storage
- External storage expansion up to 384 Terabytes
- Supports RAID 5, 6
- Supports up to 256 Full HD cameras in real-time for enterprise-level surveillance systems
- 1024Mbps maximum recording bandwidth per server
- 2U rack mount chassis
- NDAA Compliant
- Supports H.264, H.265 compression, and StarNET Intelligent Codec
- Supports Costar DirectNET, AV Costar™ ConteralIP®, CostarHD RISE, ONVIF Profile S, Axis, and Panasonic® cameras
- Remote Access System (StarNET Pro) Software Supports Static-IP, ADSL, DHCP, Dynamic-IP
- Remote access via free smart phone app compatible with Apple® and Google® Android™ devices
- Hot Swappable Redundant Power Supplies (Dual internal PSU)

Recorder Specifications

Model		CSP-10SVR256-xxTB
Recording	Max IP Channels	256 at Full HD H.264/H.265
	Recording Resolutions	Up to 12MP
	Max Recording Rate	1024 Mbps
	Image Compression	H.264/H.265
Connections	Video Outputs	Front: 1 x VGA Rear: 1 x VGA
	Maximum Display Resolution	1920 x 1200
	Network	4 x Gigabit RJ-45 Ethernet Port and 1 x Dedicated Service Port
	Mini-SAS HD	2 x Mini-SAS HD Ports
	RS-232 Ports	1 x DB9
	USB Ports	Front: 2 x USB 2.0 and 1 x Micro-USB Dedicated Service Port Rear: 2 x USB 3.0
Software	Operating System	Microsoft® Windows Server® 2016 for Embedded Systems
	Remote Operation	StarNET Pro Client / Mobile Apps
	User Management	StarNET Pro
	Recording Mode	Continuous / Motion / Continuous + Motion / Live Only
	Playback Search	Multi-channel playback / Calendar / Timeline / Thumbnail / Event / Object
	Clip Backup	USB Clip Copy

General

Operating Temperature	Max temperature: 104°F (40°C)
OS Drive Configuration	2 x 240GB Dedicated Solid State Drives
Storage	96TB (78TB Usable) ¹
RAID Configuration	RAID 0, 1, 5, 6, and 10 are supported
Processor	Intel® Xeon® Silver 4210
Memory	8GB
Rack Mount	2U Rack Mountable with Rails Included
Warranty	2 Years

Environmental

Operating Temperature	50°F (10°C) to 95°F (35°C)
Storage Temperature	-40°F (-40°C) to 149°F (65°C)
Operating Humidity	10% to 80% Relative Humidity
Storage Humidity	5% to 95% Relative Humidity, 101.7°F (38.7°C) Maximum Wet Bulb Temperature, Non-condensing
Operating Vibration	0.26Grms at 5Hz to 350Hz
Storage Vibration	1.88Grms at 10Hz to 500Hz for 15min
Operating Shock	Six consecutively executed shock pulses in the positive and negative x, y, and z axes of 6G for up to 11ms
Storage Shock	Six consecutively executed shock pulses in the positive and negative x, y, and z axes (one pulse on each side of the system) of 71G for up to 2ms
Operating Altitude	10,000ft (3,048m)
Storage Altitude	39,370ft (12,000m)

¹ Usable space after allocating space for RAID5 redundant backup

Compliance

IP Camera Support	Costar DirectNET, AV Costar™ ConteralIP®, CostarHD RISE, ONVIF Profile S, Axis, Panasonic
Emissions	FCC Rating Class A
Electromagnetic Compatibility (EMC)	CISPR 22, EN55022, EN55024, FCC CFR 47, Pt 15, ICES-003, CvNS14336-1, CNS13438, GB4943, GB9254, EN 61000-3-2, EN61000-3-3
Directives	RoHS, Reach (SVHC), WEEE

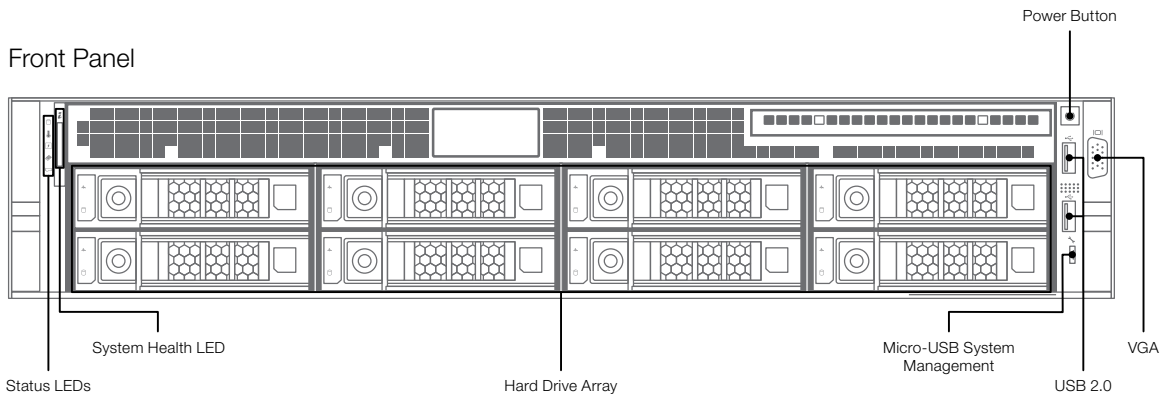
Electrical

Input Voltage	100-240VAC, 50/60Hz, 10.0-5.0A
Consumption	2 x 750W
Power Supply Efficiency	Platinum
Heat Dissipation	2891BTU/hr

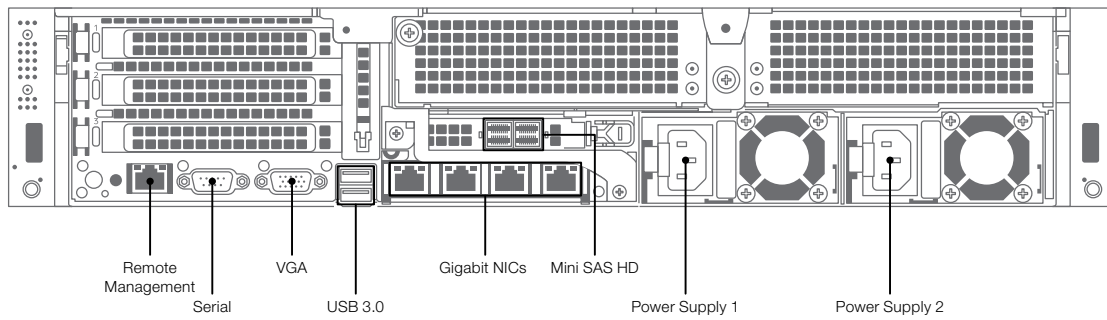
Mechanical

Dimensions <i>(See Dimensions)</i>	Unit	18.98" W (482mm) x 3.42" H (86.8mm) x 29.03" L (737.5mm)
Weight	Unit	63lbs (28.6kg)

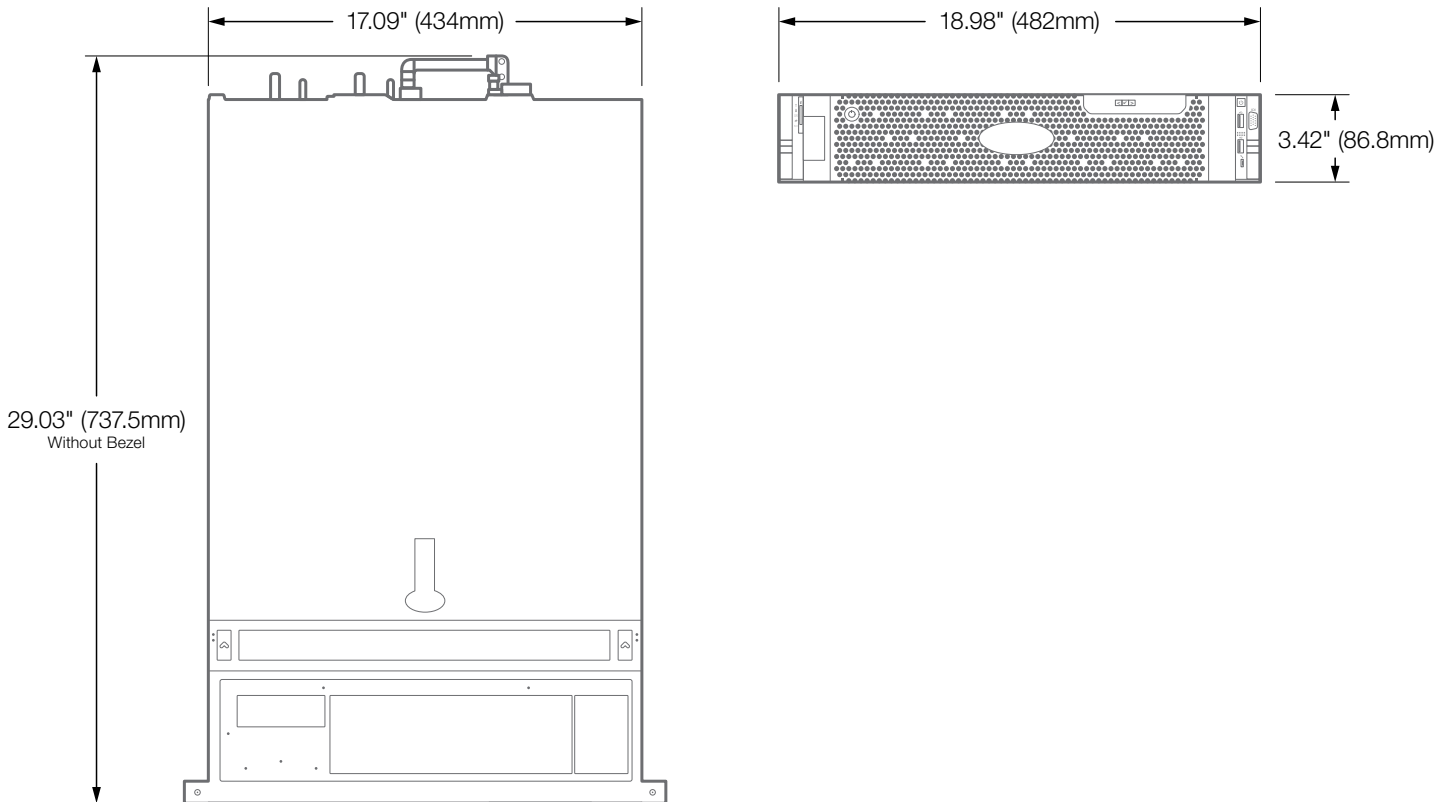
Controls and Connections



Rear Panel



Dimensions



See Next Page for Ordering Information



Model Numbers

96TB	CSP-10SVR256-96TB
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Mini-SAS HD Storage Expansion Model Numbers

48TB	CSP-10EXT-48TB
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Software Licenses

Part Number	Description
StarNET Pro Video Management System	
StarNET PRO Recording Licenses	
CSP-ADMIN	CSP Standard 1 Channel Recording License
CSP-ADMIN32	CSP Standard 32 Channel Recording License
CSP-ADMIN64	CSP Standard 64 Channel Recording License
CSP-ADMIN128	CSP Standard 128 Channel Recording License
CSP-ADMIN256	CSP Standard 256 Channel Recording License

Create Your Model (Example: CSP-10SVR256-96TB)

256 Channel
NVR Server

Default Storage

Storage Type



¹ Usable space after allocating space for RAID5 redundant backup