

FALCON SERIES 80cz

PRODUCT CONFIGURATION SHEET

What is a Falcon Video Storage System?

Dynamic Network Factory's Falcon combo NVR series of video storage and video viewing platforms are the foundation for reliable, easy-to-deploy IP Surveillance solutions. Each Falcon appliance soars above conventional analog CCTV and traditional DVR systems to deliver unmatched performance, scalability and compatibility.

Key Features:

- ▶ Up to 64TB Raw Storage Capacity in 2U Rackmount
- ▶ 8 Hot-Swappable SATA or SAS Drives
- ▶ Compatible with Leading Industry Video Management Software
- ▶ Open Hardware Platform
- ▶ Choice of 4th Gen Intel Core i3, Core i5, or Core i7 Processor
- ▶ Up to 32GB High Speed Video Cache (8GB Standard)
- ▶ 6Gbps SAS High Performance Hardware RAID Controller
- ▶ Dual-Port 1Gb Copper Ethernet Connectivity
- ▶ 1GB nVidia 1xVGA, 1xDVI, 1xHDMI Video Card
- ▶ Redundant High-Efficiency 80-PLUS® Platinum Power Supply
- ▶ 19" Rackmount Chassis w/Quick-Release Rapid Mounting Rails



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Internal Capacities	Up To 64TB* SATA or SAS
RAID Controller	6Gbps SATA/SAS with 1GB Cache
Redundancy Features	Redundant Hot-Swappable Power Supply RAID 1, 5, 6, 10, 50, 60
Network	2 x 1GbE RJ-45
Video	1GB nVidia 1xVGA, 1xDVI, 1xHDMI
Audio	7.1-Channel High Definition Audio
Operating System Options	Windows 7 Professional Windows 8.1 Professional Windows Server 2008 R2 Standard Windows Server 2012 R2 Standard

* Depending on RAID Configuration

VIDEO VIEWING, VIDEO STORAGE, & VIDEO RECORDING APPLIANCE

RAW CAPACITY: UP TO 64 TB

PROCESSING: CORE I3, I5 OR I7

VIDEO CACHE: 8GB TO 32GB

SYSTEM SPECIFICATIONS

Form Factor	2U Rackmount
# of Hot Swap Disks	8
Max Internal Capacity	64TB
Hardware RAID Controller	6Gbps SATA/SAS
RAID Levels	0, 1, 5, 6, 10, 50, 60, JBOD
RAID Cache	1GB
RAID Cache Protection	Optional Flash Module
Processors	Intel Core i3, i5 or i7 2 - 4 Cores
High Speed Video Cache	8GB - 32GB
Ethernet Ports	2 x 1 GbE
Power Supply	Redundant 740W
USB Ports	4 x USB 3.0 / 2 x USB 2.0
Video Ports	1 x DVI, 1 x HDMI, 1 x VGA
Audio Ports	7.1 HD Audio Jacks
Serial Ports	No
IPMI Management Port	No
Optical Drive	DVD+/-RW
Operating Temperature	10°C(50°F) - 35°C(95°F)
Non-Operating Temperature	-40°C(-40°F) - 70°C(158°F)
Dimensions	17.2"(W) x 25.5"(D) x 3.5"(H)

RAID CONTROLLER FEATURES:

- ▶▶ Online Capacity Expansion
- ▶▶ Online RAID Level Migration
- ▶▶ Auto-Resume after Loss of Power During Rebuild
- ▶▶ Single Controller Multipathing
- ▶▶ Configurable Stripe Size up to 1MB
- ▶▶ Load Balancing
- ▶▶ Consistency Check for Background Data Integrity
- ▶▶ Patrol Read for Media Scanning and Repairing
- ▶▶ Global & Dedicated Hot Spare w/Automatic Rebuild
- ▶▶ Inband SES & Sideband SGPIO Enclosure Management
- ▶▶ S.M.A.R.T. Support
- ▶▶ Storage Management Utility



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