

FALCON SERIES 40dc

PRODUCT CONFIGURATION SHEET

What is a Falcon Video Storage System?

Dynamic Network Factory's Falcon series small business appliances are ideal entry-level video management solutions. Each Falcon is an efficient, easy-to-deploy solution. With advanced data availability and performance, the Falcon allows security integrators to manage video content - not storage.

Key Features:

- ▶ Up to 48TB Raw Storage Capacity in Mini Cube Chassis
- ▶ 4 Hot-Swappable SATA Drives
- ▶ Compatible with Leading Industry Video Management Software
- ▶ Choice of 7th Gen Intel Core i3, Core i5, or Core i7 Processor
- ▶ Up to 32GB High Speed Video Cache (8GB Standard)
- ▶ Capable of Software RAID Levels 0, 1, 5, 10 and JBOD
- ▶ Optional M.2 NVMe SSD for OS
- ▶ Dual-Port 1Gb Copper Ethernet Connectivity
- ▶ 1 x DVI-I, 1 x HDMI, 1 x DisplayPort
- ▶ Supports up to 3 Individual Displays
- ▶ High-Efficiency 80-PLUS® Bronze Power Supply
- ▶ Compact Mini-Cube Chassis Measures Less than 9.5" Tall



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Internal Capacities	Up To 48TB* SATA
RAID Controller	Standard: Software RAID Supporting Levels 0, 1, 5, 10 Optional: 6Gbps SATA Hardware RAID Controller with 1GB Cache Supporting Levels 0, 1, 5, 6, 10
Network	2 x 1GbE RJ-45
Video	1 x DVI-I, 1 x HDMI, 1 x DisplayPort Up to 3 Individual Displays
Operating System Options	Windows 10 Professional Windows Server 2012 R2 Standard

* Depending on RAID Configuration

CLIENT VIEWING, VIDEO STORAGE, & VIDEO RECORDING APPLIANCE

RAW CAPACITY: UP TO 48 TB

PROCESSING: CORE I3, I5 OR I7

VIDEO CACHE: 8GB TO 32GB

SYSTEM SPECIFICATIONS

Form Factor	Mini Cube
# of Hot Swap Disks	4
Max Internal Capacity	48TB
RAID Levels	Software RAID 0, 1, 5, 10
Hardware RAID Controller	Optional
RAID Cache Protection	No
Processors	Intel Core i3, i5 or i7 2 - 4 Cores
High Speed Video Cache	8GB - 32GB
Ethernet Ports	2 x 1 GbE
Power Supply	250W
USB Ports	4 x USB 3.0 / 2 x USB 2.0
Video Ports	1 x DVI-I, 1 x HDMI, 1 x DP
Audio Ports	No
Serial Ports	2
IPMI Management Port	No
Optical Drive	DVD+/-RW
Operating Temperature	5°C(41°F) - 35°C(95°F)
Non-Operating Temperature	-40°C(-40°F) - 60°C(140°F)
Dimensions	8.3"(W) x 11"(D) x 9.5"(H)

OPTIONAL HARDWARE RAID 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