FALCON SERIES 80tdz

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 96TB Raw Storage Capacity
‣ 8 Hot-Swappable 12Gbps SAS Drives
‣ Compatible with Leading Industry Video Management Software
‣ Choice of 7th Gen Intel Core i3, Core i5, or Core i7 Processor
‣ Up to 64GB High Speed Video Cache (8GB Standard)
‣ 12Gbps SAS High Performance Hardware RAID Controller
‣ Optional M.2 NVMe SSD(s) for OS (Single or Dual Mirror)
‣ Dual-Port 1Gb Copper Ethernet Connectivity
‣ Intel Z270 Video with 1xDisplayPort, and 1xHDMI
‣ Super Quiet Power Supply
‣ Medium Tower Chassis (Convertible to 4U Rackmount)

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Internal Capacities	Up To 96TB* SAS
RAID Controller	12Gbps SAS with 1GB Cache
Redundancy Features	RAID 1, 5, 6, 10, 50, 60
Network	2 x 1GbE RJ-45
Video	1xDisplay Port, 1xHDMI
Audio	7.1-Channel High Definition Audio
Operating System	Windows 10 Professional

* Depending on RAID Configuration

SYSTEM SPECIFICATIONS

Form Factor	Tower / 4U Rackmount
# of Hot Swap Disks	8
Max Internal Capacity	96TB
Hardware RAID Controller	12Gbps 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 - 64GB
Ethernet Ports	2 x 1 GbE
Power Supply	865W
USB Ports	4 x USB 3.0 / 4 x USB 2.0
Video Ports	1 x Display Port, 1 x HDMI
Audio Ports	7.1 HD Audio Jacks
Serial Ports	No
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	7"(W) x 25.5"(D) x 17.8"(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