

Falcon Hybrid Series – The Pathway to IP Surveillance

DNF Security’s Falcon Hybrid series video management systems are ideal entry-level solutions for pure IP video, hybrid (analog/digital) surveillance. In its hybrid configuration, the Falcon Hybrid series can manage up to 64 high resolution cameras (analog and IP) in full definition 4CIF (702x480) format. This allows you to integrate a wide range of cameras from analog to IP to megapixel and HD cameras under a common user interface.



Falcon Hybrid is ideal for transitioning into IP surveillance while maintaining current analog infrastructure. Every security element is supported by only one network cable making it easy to add IP devices, and audio surveillance.

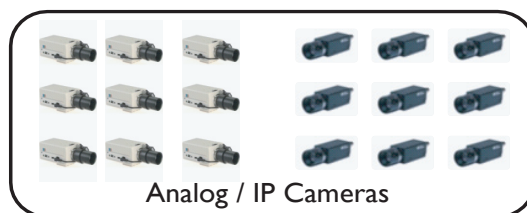
The Central Management Software (CMS) provides a scalable framework for managing multiple

hybrid systems within a Local Area Network or across different networks.

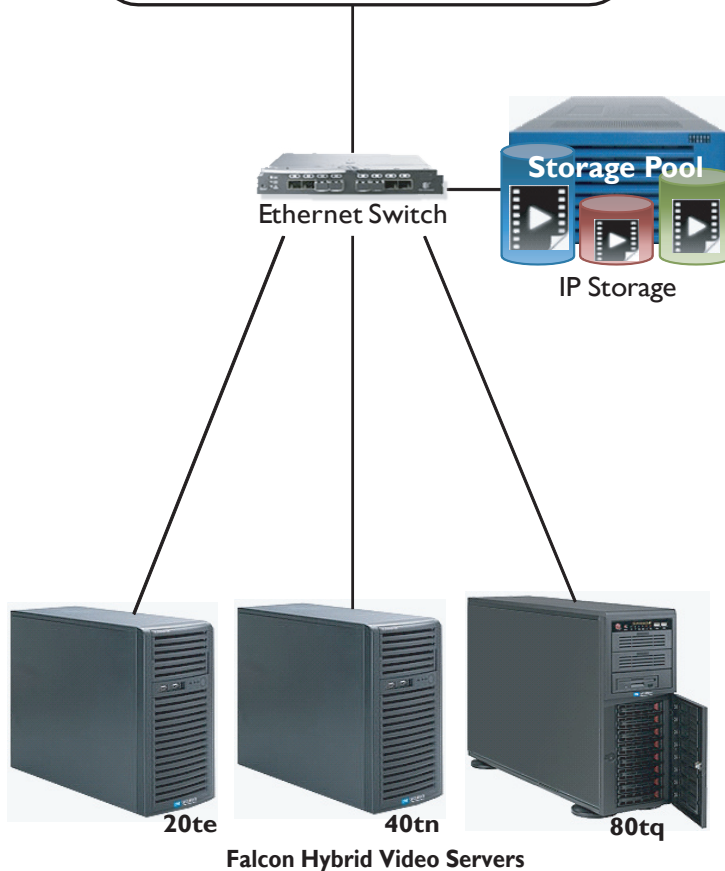
The Hybrid platforms are primary candidates for the replacement and retrofit of the DVR (Digital Video Recorder). DVR transforms analog inputs to the digital file archiving system, storing the videos on its internal hard disk in a compressed format. When connected to the IP network through the appropriate ports, DVR also allows remote control and playback of the video over the network systems.

****Total bandwidth and capacity of the Falcon Hybrid systems can be determined by using the DNF Security IP Camera Calculator****

[CLICK TO USE THE CALCULATOR](#)



Analog / IP Cameras



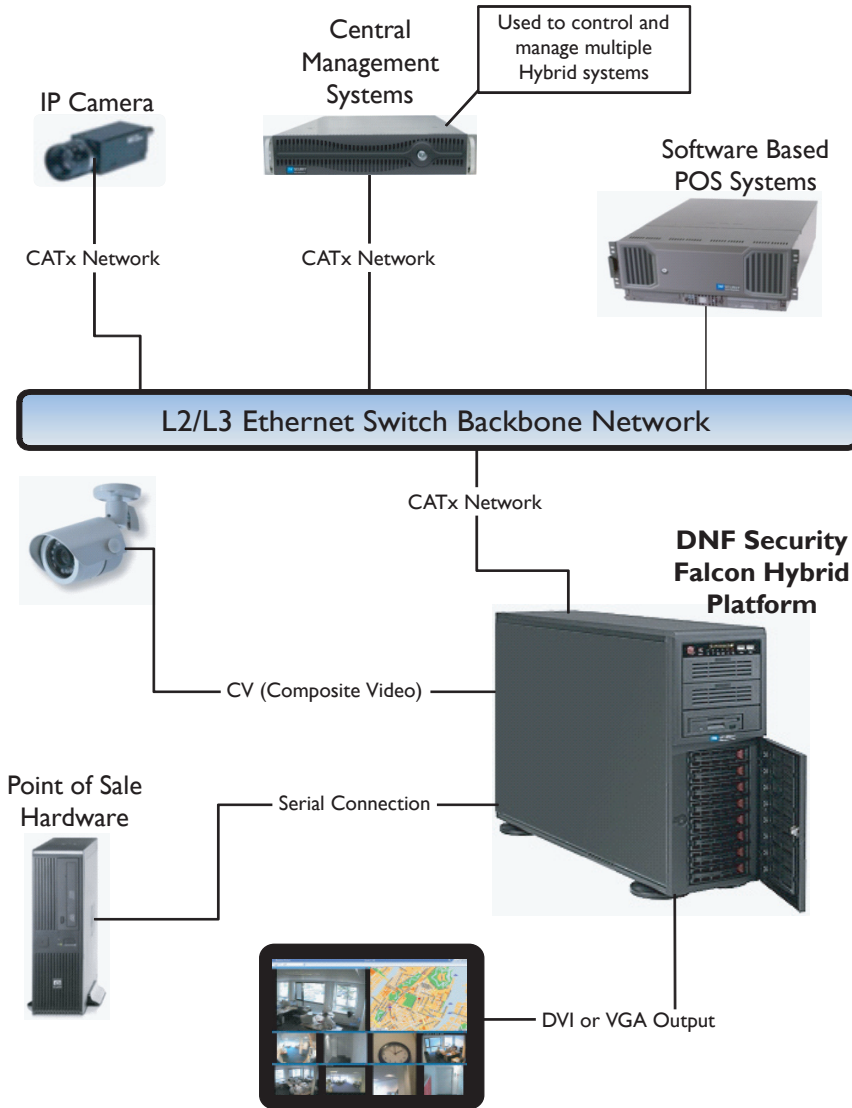
Falcon Hybrid Video Servers

Falcon Hybrid Systems Feature:

- ▶ Support for IP and analog cameras
- ▶ Support for up to 48 analog channels
- ▶ Scalable storage via iSCSI
- ▶ Central Management System (CMS) framework
- ▶ Support for 2 - 16TB of video data
- ▶ RAID for data protection

FALCON HYBRID SERIES

POS Reference Diagram



APPLICATION NOTES:

Point of Sale for Retail

Falcon Hybrid Series can be used to replace the DVR in the Point of Sale (POS) application. Hardware for the POS system can connect via serial ports to the hybrid systems (see diagram on left). Software based POS systems require more integration efforts and client software needs to be installed on the Hybrid Systems. The software based POS system may also interface to CMS system.

Residential

Falcon Hybrid Series is a perfect fit for residential complex surveillance. These entry-level systems allow affordable installation of analog cameras with easy upgrade network-based camera systems. Using a Falcon Hybrid Series, you can stream your security video over the internet and allow your residents to check on their possessions in real time, from anywhere. The video stream from other critical access points in the building can be limited to authorized personnel. By enabling your residents to monitor their assets, the amount of thefts drops dramatically and your complex becomes more secure.

Falcon Hybrid Series	80tq	40tn	20te
Form Factor	Medium Tower	Small Tower	Small Tower
# of SATA Drives	4 or 8	4	2
RAID Levels	0, 1, 3, 5, 6, 10, JBOD	0, 1, 5, 10	0, 1
Storage Capacity	4 - 16 TB	4 - 8TB	2 - 4TB
High-Speed Video Cache	2GB	2GB	2GB
Max. # of Analog Channels	48	32	32
Video Card	2xDVI Video	Optional DVI Video	Optional DVI Video
Removable Media	Internal DVD-RW Drive	Internal DVD-RW Drive	Internal DVD-RW Drive
Gigabit Ethernet Ports	Single	Single	Single
System Platform	64-bit Quad-Core	64-bit Quad-Core	64-bit Quad-Core