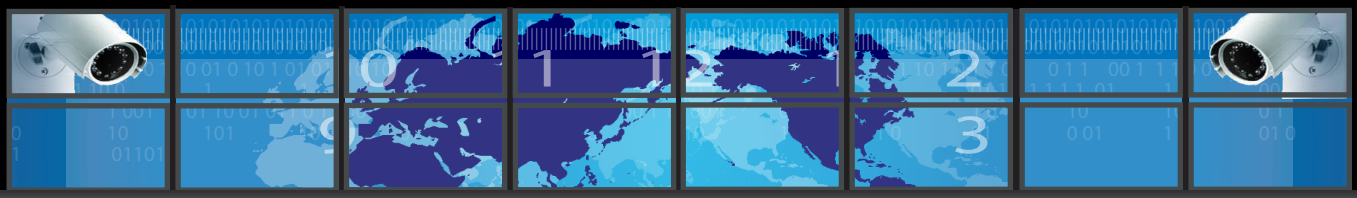
DNF SECURITY
DYNAMIC NETWORK FACTORY

FALCON RUGGED MOBILE SERIES



Falcon Rugged Mobile Video Storage Appliances

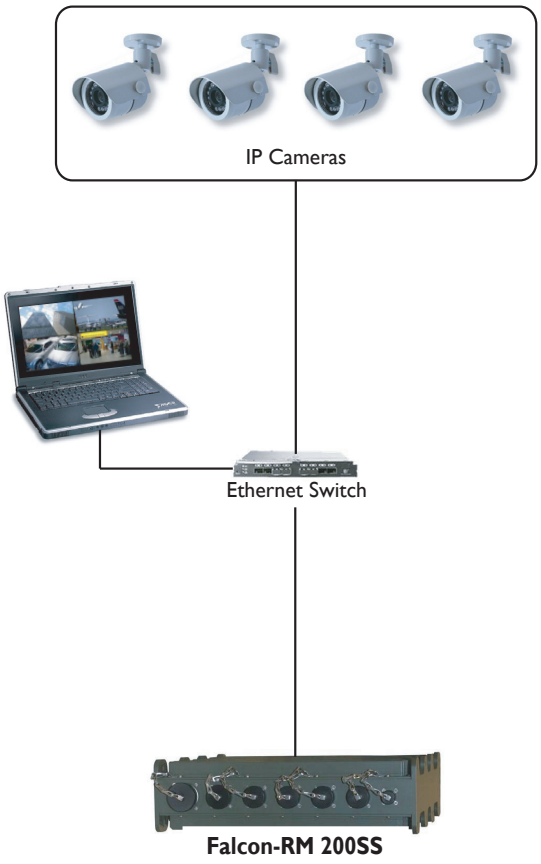
DNF Security Falcon-RM (Rugged Mobile) video storage platforms are designed specifically for harsh shipboard, airborne and land-based applications. These are Military Standard (MIL-STD) compliant, easy-to deploy, and high performance systems. They come with all aluminum construction, shock and vibration resistance, and offer superior cooling and EMI/EMC (Electromagnetic Interference / Electromagnetic Compatibility) performance.

The Falcon-RM offers portable and robust video recording and monitoring systems, ideal for handling IP cameras and multi-platform functionality in a single box. With open-platform architecture, each system ensures high performance and compatibility with leading cameras, and digital video management software (Milestone, Exacq, ONSSI, and more).

Additional high performance features include dual-core processors, up to 3GB system memory, integrated graphic and audio controllers, and USB port for simple backup and video archive export.

	Falcon-RM 200SS	Falcon-RM 200TCM
Form Factor	Rugged NVR Enclosure	Rugged NVR Enclosure
Hard Drive	Two 2.5" SATA or SSD	Two 2.5" SATA or SSD
Processor	Dual-Core	Dual-Core
System Memory	Up to 3GB	Up to 2GB
Network Ports	2x 1GbE	2x 1GbE
Storage Capacity	1TB	1TB
Power Supply	10-36 VDC	10-32 VDC
Advanced Features	Enclosure rated to IP68* 4x USB ports Optional Wi-Fi/ 3G Broadband Upgrade	6x USB ports Optional Wi-Fi/ 3G Broadband Upgrade
Shock / Vibration	**MIL-STD-810F:** Functional Shock - 40G, 11ms Vibration - 5.85GRMS, 5-500Hz **MIL-STD-910D:** High Impact Shock - Grade B, Class I, Type A	**MIL-STD-810G:** Functional Shock - 20g, 11ms Crash Hazard Shock - 40g, 11ms Vibration - 7.18GRMS, 5-2000Hz

*Completely protected against dust and long periods of immersion under pressure.

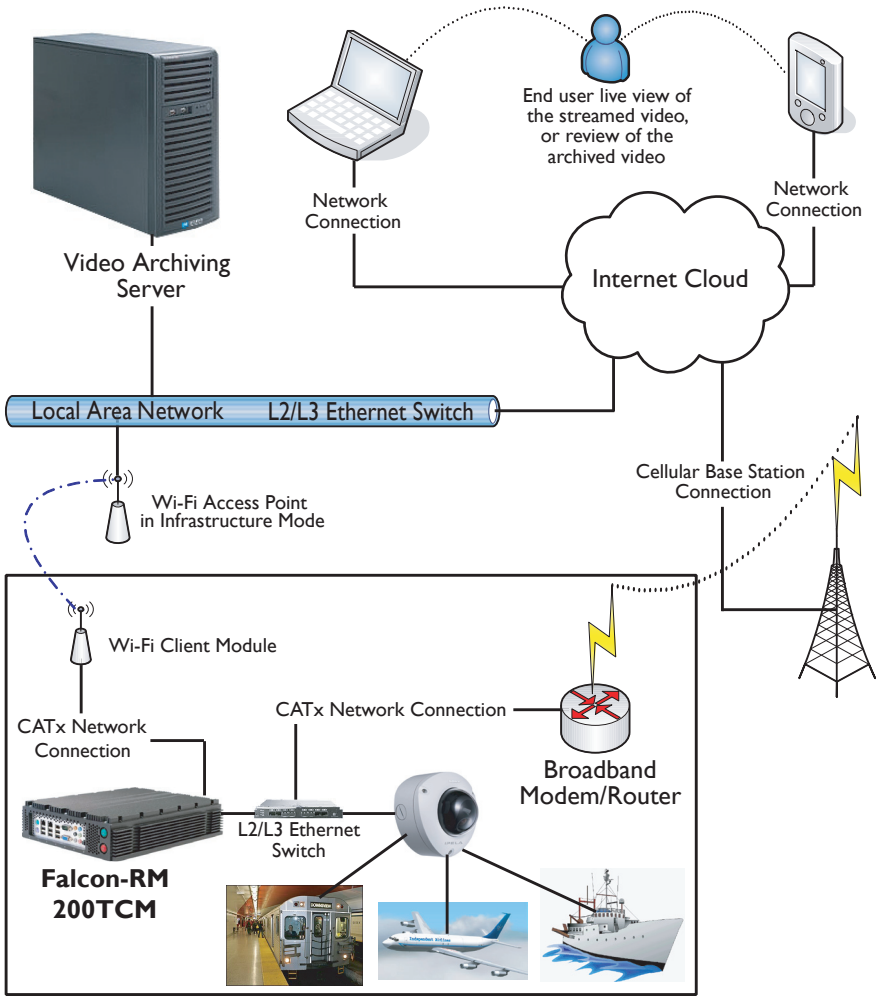


Falcon-RM 200SS

Falcon Rugged Mobile Features:

- Military Standard Compliance Design
- Compatible with Leading Video Management Software
- Complete Mobile Surveillance Platform
- Vibration and Shock Resistance
- Supports 12,500ft Altitude Operation
- Optimal Thermal Performance
- Removable 2.5" SATA or SSD Drives
- Optional Wi-Fi or 3G Broadband Upgrade
- Optional GPS and Alarm I/O Module
- Remote Management and Playback

Wi-Fi and Broadband Network Connection



APPLICATION NOTES:

Any Transportation System, Any Environment

Ruggedized Mobile Network Video Recorders (MNVR) are designed for industrial, commercial and military applications. These MNVRs are unsurpassed in harsh environments where they can operate in extreme temperature, and sustain high vibration and shock, while continuing to record digital video streams.

These systems can connect to the cellular networks via a Broadband modem to stream the live or playback video in alarm or event conditions. These systems are also capable of connecting to the Wi-Fi network for high speed wireless connection. The Wi-Fi connection is applicable when the transportation system is stationary and video archived files need to be extracted from the MNVR system.

Cellular and Wi-Fi Network Technology Specs

Service Type	Standard	Net Bit Rates (Mbps)	Bandwidth B Per Frequency Channel (MHz)	Link Spectral Efficiency R/B ((bit/s)/Hz)
2G Cellular	GSM	0.013 x 8 timeslots = 0.104	0.2	0.52
2G Cellular	D-AMPS	0.013 x 3 timeslots = 0.039	0.03	1.3
2.75G Cellular	GSM + EDGE	Max 0.384	0.2	Max 1.92
2.75G Cellular	IS-136HS + EDGE	Max 0.384	0.2	Max 1.92 Typ
3G Cellular	CDMA2000 1X Voice	Max 0.0096 per mobile	1.2288	0.0078 per mobile
3G Cellular	CDMA2000 1X PD	Max 0.153 per mobile	1.2288	Max 0.125 per mobile
3G Cellular	CDMA2000 1X EV-DO Rev.A	Max 3.072 per mobile	1.2288	Max 2.5 per mobile
3G Cellular	WCDMA FDD 1997	Max 0.384 per mobile	5	Max 0.077 per mobile
3.5G Cellular	HSDPA 2007	Max 14.4 per mobile	5	Max 2.88 per mobile
iBurst (3.9G MBWA)	HC-SDMA 2005	Max 3.9 Mbit/s per carrier	0.625	Max 7.23 per carrier [4]
4G Cellular	LTE	Max 326.4 per mobile	20	Max 16.32 per mobile
Wi-Fi	IEEE 802.11a/g	Max 54	20	Max 2.7
Wi-Fi	IEEE 802.11n	Max 144.4	20	Max 7.22
WiMAX	IEEE 802.16	96	20 (1.75, 3.5, 7...)	4.8
TETRA	ETSI	4 timeslots = 0.036	0.025	1.44