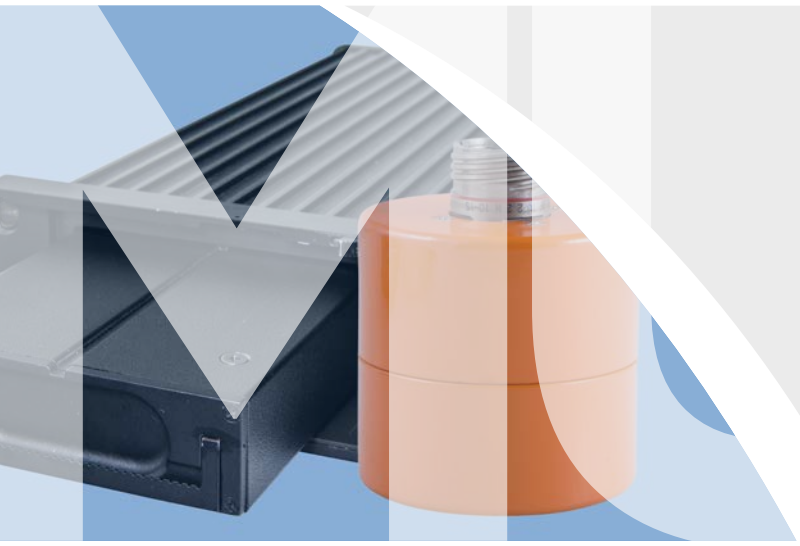

FLIGHT DATA & STORAGE

STAY SECURE.
COLLECT AND PRESERVE
VITAL FLIGHT DATA.

Building on systems engineering and integration know-how, FreeFlight Systems effectively implements comprehensive, high-integrity avionics solutions. We are focused on the practical application of NextGen technology to real-world operational needs — OEM, retrofit, platform or infrastructure.

FreeFlight Systems is a community of respected innovators in technologies of positioning, state-sensing, air traffic management datalinks — including rule-compliant ADS-B systems, data and flight management. An international brand, FreeFlight Systems is a trusted partner as well as a direct-source provider through an established network of relationships.

3 GENERATIONS OF EXPERIENCE BEHIND NEXTGEN AVIONICS

NEXTGEN LEADER. INDUSTRY EXPERT. TRUSTED PARTNER.
SHAPE THE SKIES.

HYPER-TECH Systems

FREEFLIGHT SYSTEMS

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FLIGHT DATA MANAGEMENT & STORAGE

Secure important and vital flight data with FreeFlight Systems' crash survivable and extreme temperature protection systems. These affordable recording units allow for maximum storage and data transfer during critical flight operations.

MEMORY MANAGEMENT SYSTEM

The FreeFlight Systems Memory Management System (MMS) is a lightweight, rugged, programmable unit that can record, store, and transfer vital aircraft information provided by the pilot or other aircraft systems (such as onboard cameras, microphones, and sensors). The unit can also be used as an onboard network attached storage (NAS) system.

The MMS comes with a pilot-removable primary memory module with up to 256GB capacity, a secondary memory module (mini SD card) with up to 2GB capacity, and an 8GB USB thumb drive, allowing for maximum data management flexibility.

The primary and secondary memory modules, as well as the thumb drive, are fully compatible with standard PC systems, allowing for an ideal affordable solution for fleets or flight schools requiring regular review of flight data. Additional memory modules can be purchased separately.

SPECIFICATIONS	
Model	**Memory Management System (MMS)**
CERTIFICATIONS	
Environmental	DO-160E
PHYSICAL CHARACTERISTICS	
Size	
Faceplate	5.7" W, 0.4" D, 3.0" H
Case	5.0" W, 7.9" D, 2.8" H
Weight	3.2 lbs
Operating Temp	-15°C to +50°C
Cooling	Ambient air
Power	14-28 VDC
Mounting	Standard Dzus with optional adapter for avionics bay mounting
Data Interface	Ethernet (1 back) USB (1 front, 1 back)
Primary Memory Module	
Capacity	32GB - 256GB
Interface	SATA
Tertiary Memory	
Capacity	1GB - 8 GB
Interface	USB thumb drive

HARDENED MEMORY UNIT

The FreeFlight Systems Hardened Memory Unit (HMU) store and protect vital flight information for in flight data analysis and, if necessary, flight information recovery. Extremely simple to install and maintain, both models use a standard USB 2.0 interface and are fully compatible with FreeFlight Systems' MMS.

These extremely rugged HMUs use superior grade flash memory. Surrounding this memory is a multi-tiered protection system including specially coated electronics, high-temp phase change material, ceramic fiber insulation, and a cryo-tempered stainless steel housing.

The HMU provides protection against crash, petro-chemical fires (1,100°C for 15 minutes), and shrapnel/small arms fire. A military version is also available with higher ballistic protection.

SPECIFICATIONS	
Model	**Hardened Memory Unit (HMU)**
CERTIFICATIONS	
Environmental	DO-160E
PHYSICAL CHARACTERISTICS	
Size	
HMU	3.5" W, 5.5" D, 2.9" H
HMU Lite	2.8" W, 3.2" D
Weight	
HMU	2.9 lbs
HMU Lite	1.7 lbs
Operating Temp	-40°C to +85°C
Cooling	Ambient air
Power	Through USB connector
Mounting	
HMU	4 mounting bolts
HMU Lite	3 mounting bolts
Memory Capacity	1.2GB, 2GB, 4GB, 8GB
Data Interfaces	USB 2.0

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