



Data sheet

# SVMS – Smart Vehicle Management System



TRACKING AND SURVEILLANCE SYSTEM

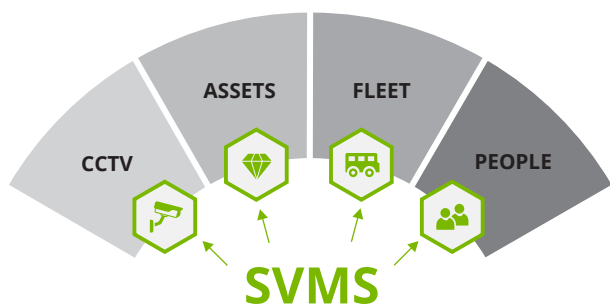
The Bridge Between Two Worlds.

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## Solution Overview

The SVMS from Fibrenetix is designed to be one of the most advanced vehicle tracking and surveillance system of the industry. Built as a VMS agnostic solution, the SVMS can also be integrated with most of the leading VMS of the industry.

This interoperability is guaranteed as all features are developed using industry standards such as ONVIF compliance for video streams, standard I/O Device communication protocols, and a complete compatibility with more than 400+ supported trackers including GPS/GLONASS/OBDII/ODO.

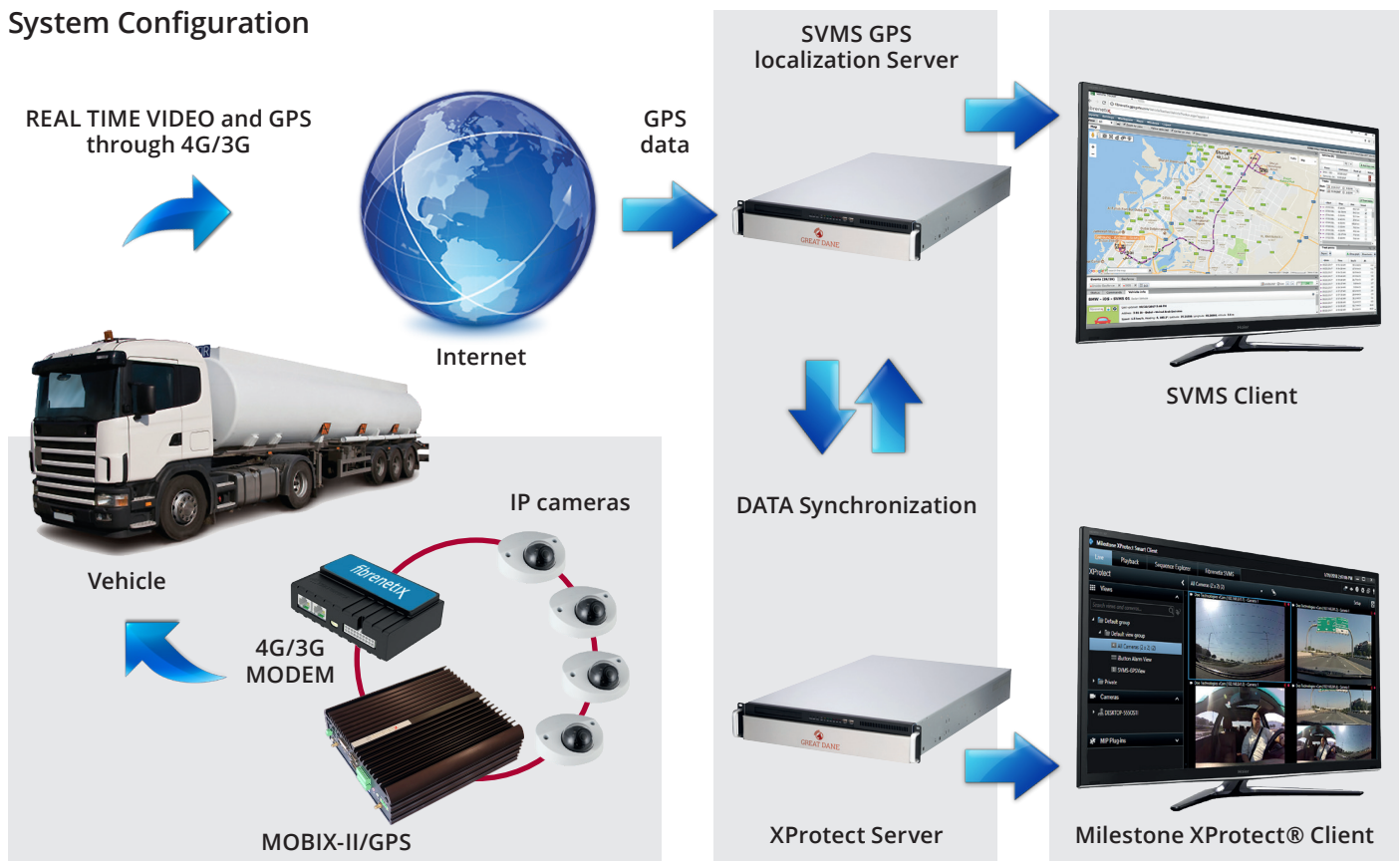


## Key software features of the SVMS:

- Real Time Assets Tracking
- Onboard Video Cycling Recording for up to 8 HD Cameras
- Real Time video streaming through 3G/4G network
- More than 400 supported trackers including GPS/GLONASS/OBDII/ODO
- I-Button Support for Emergency
- Scalable solution with multi customer support over the same server
- Web Base Application for the Tracking Feature
- Driver Behavior and Journey Analytics
- Automatic Station Backup and Synchronization over Wireless LAN
- Events generated through Rules Programming
- Complete Integration between Geo Localization, Rules and Video Databases
- The Solution Can be Deployed through Cloud or On Site



## System Configuration



## Vehicle Software Features

- Camera View [Front/Back/Inside/Split Screen]
- Map
- HQ Messaging
- Routing Information
- System Info [Temp, % Storage, 4G/3G Availability]
- Vehicle Information [Through OBDII where available]
- Incident [Mechanic, Passenger Behavior, Accident]
- IO Status [Door Open/Close for example]
- Vehicle Failure [Through OBDII where available]

## System Scalability – From 20 to 5000+ Vehicles

### Systems up to 20 Vehicles – Update rate 1 minute

- FBX-VIDEX-PCXCD
- i7 CPU – 4Gb Ram – 500Gb Storage

### Systems up to 500 Vehicles – Update rate 1 minute

- Great Dane
- Dual Core CPU – 8Gb Ram – 500GB Storage
- Windows 2012 R2 or later – MySQL 5.5 or later

### Systems up to 5000 Vehicles

- Great Dane
- Quad Core Xeon CPU – 16Gb Ram – 4TB Storage
- Windows 2012 R2 or later – MySQL 5.5 or later



## Tracking and Video Surveillance Solution for:



The SVMS can be used in many scenarios, but it is more beneficial in the following applications: Public Transportation, Law Enforcement and Public Safety, Cash-in-Transit, Rental Cars and Driving Institutes, Heavy Equipment, Hazardous Goods Transportation.

### Professional Services

- Design
- Implementation
- Technical Training
- Test and Certification Fibrenetix

### How to Buy?

The SVMS solution is available in several options

- Software Licensing
- Software Development and Consulting through Fibrenetix Professional Services
- Turn Key Solution through our Approved System Integrators

### Versions Available

Each higher version is an extension of the lower version

◆ SVMS-1 TO: Tracker Only

◆ SVMS-2 SO: Standalone Onboard

◆ SVMS-3 SE: Smart Edition

### System Feature [with Milestone XProtect®]

Version	◆ SVMS-1 TO	◆ SVMS-2 SO	◆ SVMS-3 SE
Real Time Vehicle and Assets Tracking	✓	✓	✓
GPS and GLONASS Support over a large selection of compatible devices	✓	✓	✓
I-Button Support for Emergency	✓	✓	✓
Still record GPS data locally if the system is disconnected from the Network	✓	✓	✓
Driver Behavior and Journey Analytics	✓	✓	✓
Customizable Reporting Tool	✓	✓	✓
iOS and Android Support [Device and Client]	✓	✓	✓
Enhanced Rules Programming [Speed, Geofencing, Metadata, IO...]	✓	✓	✓
Rules Scenarios works Real-Time and Recorded Data	✓	✓	✓
Can be deployed on the Cloud or On-Site	✓	✓	✓
Onboard Video Cycling Recording for up to 8 HD Cameras		✓	✓
Easy Driver Interface		✓	✓
Powerful Video Streaming through 3G/4G Network for Real-Time and Recorded Video		✓	✓
Complete Integration between Geo-Localization, Rules and Video database in the vehicle		✓	✓
Seamless Integration between Video and any MetaData provided by the Vehicle or any type of IO			✓
Smart Events Sync in Milestone XProtect®			✓
Real-Time Metadata synchronization between VMS and Geolocation Database			✓
Simultaneous Multiple Vehicle Data Sync/Backup [with Batch function for the Post Sync Data]			✓
Vehicle Data Sync/Backup through Wi-Fi/Hard Drive/Lan			✓
Multi-Site Management [Standard Site with WIFI and HQ Consolidation through Company VPN]			✓

NB: Specifications subject to change without prior notice.



### More Software Feature [Not Involving Milestone XProtect®]

Version	◆ SVMS-1 TO	◆ SVMS-2 SO	◆ SVMS-3 SE
GPS - Lat / Long - Speed	✓	✓	✓
Live Video Stream via 3G on demand - All cams & Single Cam with Ip Address Labelling		✓	✓
Ability to Search Live Video and Video Clip - Save to local Hard Disk Via 4G/3G		✓	✓
Ability to Live Stream via 4G/3G and record simultaneously		✓	✓
Connect MDVR to PC and playback in Higher Resolution - ability to clip and save between two date periods		✓	✓
Geo Fences (Polygon / Route/ Sphere) - Authorised and unauthorised entry and exits	✓	✓	✓
Identify Vehicle via Camera Mac Addressing		✓	✓
Driver Identification via RFID	✓	✓	✓
User Access Lvl's to Software - Super Admin / Admin / Oper. incl. Full Audit of who, When	✓	✓	✓
User Management at different Levels [A vehicle, Group of Vehicles, etc...]	✓	✓	✓
Mapping - Google - Open Street + Import others (Esri)	✓	✓	✓
Vehicle Icons to illustrate equipment installed	✓	✓	✓
Ignition on/off alarms	✓	✓	✓
Distance Travelled reports, daily, weekly, monthly, by vehicle, by group..	✓	✓	✓
Temperature Monitoring of Mobix		✓	✓
Auto Snap Shots from Cameras		✓	✓
Alarm when Truck and Trailer disconnect and connect [for trailer configuration]	✓	✓	✓
Add Vehicle, Change Vehicle, Delete . And vehicle grouping hierarchy	✓	✓	✓
Add Driver, .. Fields for Serial No of equipment / Sim Cards etc..	✓	✓	✓
Company Structure / Emirate / Branch structure for assets	✓	✓	✓
Support IE, Chrome and Safari [for Mapping and RealTime Video]	✓	✓	✓
X - y - Z Axis - Acceleration & Braking forces - with Alarms	✓	✓	✓
Points of Interests on mapping	✓	✓	✓
Ability to import / export vehicle data - for reports	✓	✓	✓
Reporting Module, to query a database	✓	✓	✓
Ability to customise alerts / and how they should be displayed and responded to	✓	✓	✓
Assign priorities to alerts	✓	✓	✓
Notification by SMS and Email on Alerts	✓	✓	✓
Panic Button - Alert & Speeding Alerts	✓	✓	✓

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### About Fibrenetix

Fibrenetix is a market-leading manufacturer of Video Optimised Servers and Storage Solutions. With more than 20 years of industry experience, Fibrenetix has established a global reputation for high performance video streaming technology, providing smart engineering, quality, scalability and reliability.

In 2015, Fibrenetix introduced a range of Ultra-Long Range Cameras, Vehicle LSA Cameras as well as Naval Cameras, for Homeland Security and Border Control.

From our beginnings in the European post-production market, Fibrenetix is dedicated to providing new cutting-edge technologies, to meet the highly demanding and ever-growing demand for data storage for the Surveillance and Media & Entertainment industries.

Headquartered in Roskilde, Denmark, with a local sales office in Dubai, Fibrenetix serves key customers in Aviation, Construction, Government, Hospitality, Military and Oil & Gas, in key territories including the Middle East, Europe and Japan.