



### With Aimetis Symphony On-Board™ fleet operators are able to:

- Enhance Passenger and Driver Safety
- Increase Ridership
- Improve Operational Efficiency
- Reduce Liability
- Accelerate Emergency Response

### Surveillance Capabilities You Need...

- View and store video in H.264/MPEG4/ MJPEG
- Flexible resolution (including mega-pixel)
- Records up to 8 IP cameras in real-time, 25/30 FPS
- Configurable recording modes (alarm/ event, pre/post alarm/event and video motion detection)
- Intelligent reports and statistics based on analytic data

### ...with IT System Features You Want

- Designed using standard IT development tools (Microsoft SQL, .Net Framework)
- Managed by central platform for snapshots, downloads and archiving
- Free, downloadable SDK's and API's
- Unlimited number of client connections
- Automatic software updates

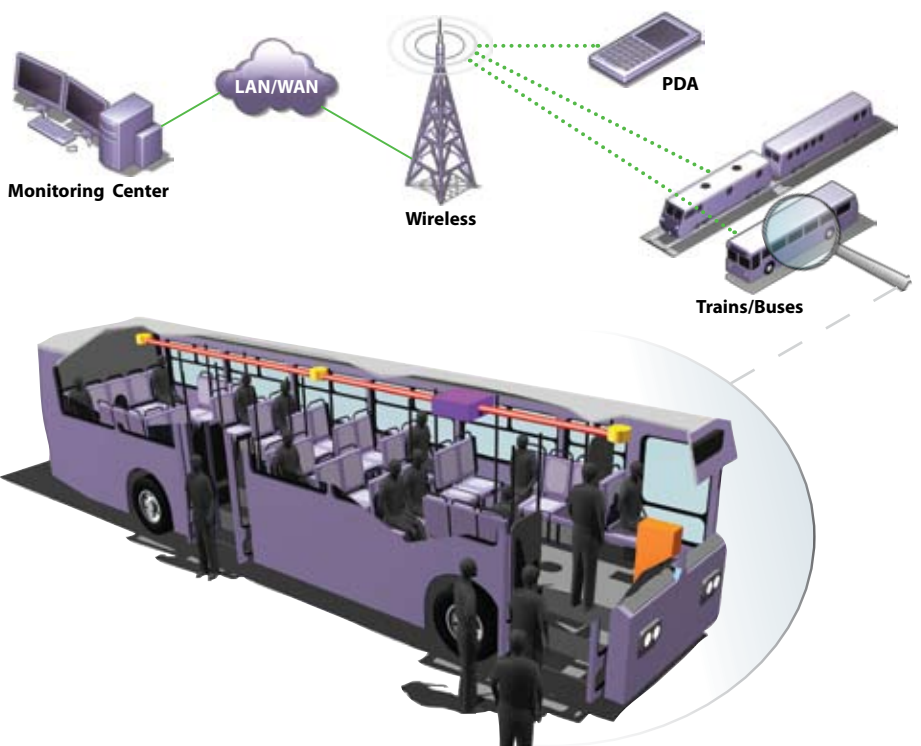
**Aimetis Symphony On-Board™** leverages Aimetis Symphony™ video and event management software and combines it with ruggedized hardware, creating a high performance intelligent video surveillance platform for applications on-board trains, buses, automobiles, aircraft, vessels, and other mobile environments.

### Centralized Mobile Video Management

Aimetis Symphony On-Board™ is seamlessly integrated with Aimetis Symphony™ video and event management software used by security and operations personnel within monitoring facilities. The deployment of the Aimetis Symphony On-Board™ platform provides security and operations personnel with a complete enterprise surveillance solution by enabling access to on-board video from an unlimited number of vehicles.

### Analytics On-the-Move

Aimetis Symphony On-Board™ extends Aimetis' award-winning video surveillance and analytics software to mobile environments. Aimetis Symphony™ intelligence changes the use of mobile video data from being a simple passive recording device to a proactive information gathering, analysis and reporting tool. Metrics derived from the analytics can be used to enhance passenger and driver safety as well as to improve operational efficiency.



**Typical Mobile Video Surveillance Architecture**

## Features and Specifications\*

<b>Video Input</b>	Up to 8 IP cameras	
<b>Resolution</b>	NTSC: 704 x 480 (4CIF) 704 x 240 (2CIF) 352 x 240 (CIF) 176 x 120 (QCIF)	PAL: 704 x 576 (4CIF) 704 x 288 (2CIF) 352 x 288 (CIF) 176 x 144 (QCIF)
<b>Compression</b>	MJPEG, MPEG4, H.264	
<b>Sensor Inputs</b>	I/O	
<b>Analytics</b>	People Counting, People Density, Objects Left Behind, Camera Tampering, Tracking	
<b>Frame Rate</b>	25/30 FPS	
<b>Operating System</b>	Microsoft Windows XP Embedded	
<b>Storage</b>	Hard drive: 250 GB, 2.5 inch rugged mobile HDD SSD: Type II Compact Flash (optional)	
<b>Network Interface</b>	Integrated 10/100 Mbps	
<b>Programming</b>	Menu driven, Event Log/Audit Trail: Audit Trail built-in for user access, system faults	
<b>System Protection</b>	Auto reboot, auto recovers after power failure	
<b>Connectivity</b>	USB 2.0 Serial Port, RS-232 and RS-485 available GPS, Cellular and Wi-Fi (optional)	
<b>Search Capabilities</b>	Time and date Continuous Complete history Events	
<b>Recording Mode</b>	Continuous Alarm/event only, Pre/post event/alarm Scheduled  Note: Digital watermarking and video authentication of time, date, camera number and associated data are hardware encoded into the data stream	
<b>Power Supply</b>	9-36 VDC	
<b>EMC</b>	FCC, CE	
<b>Shock Resistance</b>	40G, IEC 60068-2-27, half sine, 11ms, Operating	
<b>Vibration Resistance</b>	1Grms, IEC 60068-2-27, Random, 5-500 Hz, 1 Oct/min, 1hr/axis	
<b>Safety and Fire</b>	CSA 60950, NF16-101+102, DIN5510	
<b>Operating Temperature</b>	-10°C to +45°C -15°C to +55°C (with industrial grade components)	
<b>Relative Humidity</b>	95% @ 40°C (non-condensing), operating	

\* Subject to change without notice

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**Back View  
Sample Device**

### On-Board Systems Integration

Aimetis Symphony On-Board™ is an open-architecture platform that allows for information sharing with third party software and devices. For example, analytics data on passenger occupancy can be integrated with the on-board passenger information system. Or, Aimetis Symphony On-Board™ can receive information from inputs such as the fare collection system, driver alarm buttons, emergency exit alarms, etc. to tag important events.

### Analytics and On-Demand Reporting options include:

- People Counting and Occupancy
- Passenger Density
- Items Left Behind or Removed
- Camera Tampering
- Advanced Event Based Search



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