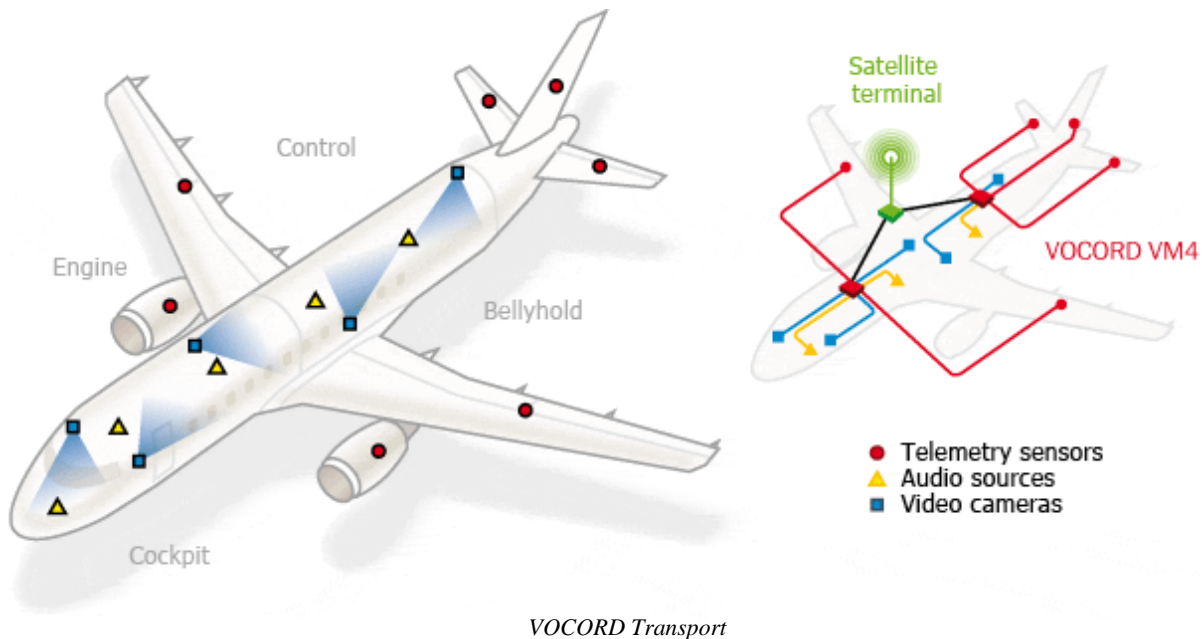


## VOCORD Transport

A video surveillance system for building traffic security systems.

Any moving vehicle is a source of potential danger. Therefore, organizing visual monitoring and video registration at vehicles is an important part of ensuring the safety of people, cargo, and the vehicles themselves. VOCORD Transport security system is compatible with all vehicle types. When operating in the standalone mode, VOCORD Transport registers data from all input sources, acting as a “black box” recorder. VOCORD Transport also supports wireless connection to the monitoring center.



### Technical solution catalog

[Download](#) our technical solution catalog for [VOCORD Avantpost](#) compact video and audio registration servers

### Use cases

VOCORD Transport can be used with all vehicle types, including

- Railroad and subway trains
- Municipal transport: buses, trolleybuses, tramway cars, and mini-buses
- Intercity passenger buses and heavy trucks
- Emergency service vehicles
- Vehicles for transporting dangerous or valuable cargo
- Large and small aircrafts
- Sea and river transport

In the standalone mode, VOCORD Transport registers data from all input sources, acting as a «black box» recorder. This data can be extracted after the trip and analyzed in case of an accident.

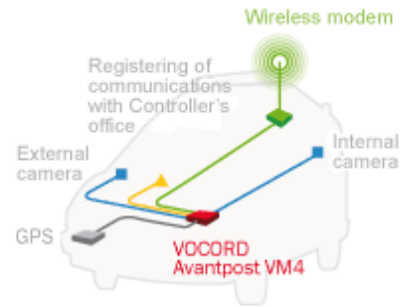
The driver or another crew member can monitor the surroundings and condition of the vehicle in real time using the interactive mode of VOCORD Transport. Moreover, wireless connection to the monitoring center is an option (data is transferred to the monitoring center either in real time or on demand). VOCORD Transport can be used to build a powerful system that monitors the vehicles and allows giving instructions and managing logistical issues in real time.

VOCORD Transport features

- Registration of vehicle telemetry data and other parameters
- Audio registration in the vehicle and establishing a two-way audio connection when needed
- Video monitoring and video registration
- Remote monitoring in real time
- Data transfer to the monitoring center through wireless digital channels

Basic modules of VOCORD Transport are

- Digital network
- **VOCORD Avantpost VM4** registration/translation units
- Monitoring terminal
- Wireless modem



- Telemetry sensors
- Audiosources
- CCTV cameras

*With compact autonomous server Vocord Avantpost a video control system can be set up on the vehicle. The system can register and transmit audio, video and telemetry information to control centres. The system also can register/record the location and movements of the vehicle.*

Unified digital communication networks are used for transferring audio/video/telemetry data and controlling any peripheral devices included in the VOCORD transport system.

Special vehicle environment conditions introduce additional requirements to the devices used in there. The main problems are increased vibration, big and rapid temperature changes, and unstable power supply. All these aspects are addressed in the VOCORD Avantpost VM4 mobile monitoring server.

A wireless radio terminal is an optional component required for transferring data from a moving or parked vehicle to the monitoring center or data archive. Remote data receivers use a mobile operator network that supports GSM/CDMA standards (which allow transferring data from moving sources using the built-in data transfer protocols GPRS/EV-HO/HSOPA). Networks compliant to WiFi or WiMax standards, which ensure high data transfer rate, are convenient for transferring data from stationary sources.

Monitoring terminal is located in the driver's cabin or crew lounge and features a convenient interface for managing the video monitoring process and providing access to statistical and telemetry data.

## Surveillance center

Due to modern digital communications, the surveillance center where data from all local data archives is aggregated can be located anywhere. The aggregated archive features search by any parameters, performing quick analysis, and collecting statistics helpful for task optimization.

