



Surveillance Vans

Overview

TSE 7000

TSE 7000 GMC

TSE 7001

TSE 7002

TSE 7005

SURVEILLANCE & COMMAND/CONTROL VEHICLE GENERAL OVERVIEW

SURVEILLANCE VANS MODELS EXAMPLES

Mercedes-Ford-Renault-VW-Toyota-Nissan-GMC

MERCEDES SPRINTER

The Mercedes Sprinter range of vehicles comes in short wheel base (SWB), medium wheel base (MWB) and long wheel base (LWB). There are also medium and high roof variants.

Also available as a chassis cab which can be converted to a recovery truck, Luton van, flat bed drop-side, single or three-way tipper, box van, horse box or cherry picker.

All Mercedes Sprinters have good towing capacity. There is a choice of single or twin rear wheel back axle for heavier loads.



FORD TRANSIT

The Ford Transit Van range has held market leadership for over 40 years by giving you real choice, so you can find the perfect vehicle for your business needs. Dependant on model, Transit Van offers short, medium or long wheelbase and front or rear wheel drive, plus three roof heights for ultimate flexibility.

GMC SAVANA

The 2007 GMC Savana Cargo (GMC also refers to it as the "Work Van") is a full-size van meant primarily for commercial users. The standard wheelbase (135-inch) Savana comes in half-ton (1500), 3/4-ton (2500) and 1-ton (3500) configurations, while the extended-wheelbase version (155-inch) is available on the 2500 and 3500 series vans only.



TOYOTA HIACE

The Hiace is a strong, hardworking but stylish asset, offered with a choice of engine and equipment levels to meet a wide range of commercial needs. In addition, it offers impressive load capacity, complemented by the choice of swing out rear doors or a two stage lifting tailgate on the GS grade. Available in standard or long wheelbase it's easy on the driver and easy on the budget.

NISSAN

Distinctive and fresh in appearance, Nissan van drives as well as it looks. With an intelligent cabin design, smart loadspace, smooth driving performance, it gives you something to look forward to. It gives you all the cargo space you need. With two lengths and heights to choose from and a multitude of options, it's entirely adaptable to your business.



SURVEILLANCE & COMMAND/CONTROL VEHICLE GENERAL OVERVIEW

SURVEILLANCE PRODUCTION FACILITIES



Floor Lining



Foil lining



Paneling



Rack & Door to Cab



Interior



Rear View

SURVEILLANCE VAN

TSE 7000

The TSE-7000 basic surveillance van represents a new era in Mobile Surveillance Platforms!

The TSE-7000 is constructed from high quality materials and built by craftsmen with over 40 years of experience in vehicle design and conversion.

All GAMMA TSE surveillance platform designing is engineered with AutoCAD and manufacturing is produced at GAMMA TSE's Production and Training Facility.

On premise manufacturing provides strict 24-hour security, maintaining confidentiality of the customer's platform designs and appearance.



TSE-7000 Command, Communications & Surveillance Vehicle Conversion
Includes Isuzu, VW, Toyota, Ford, Nissan, or Mercedes Van, and delivery to country
Other vehicles available to suit client's requirements

VEHICLE CONVERSION OVERVIEW:

- Includes floor, walls, and front bulkhead, ceiling framing; minimum of 50-mm polar fiber insulation. The operational area inside the van has 85 percent ECM screening
- Equipment, counters and cabinets, carpeting, Formica finishing, wiring in plastic and flexible conduit and junction boxes are provided
- The interior lighting package includes all necessary equipment and installation.
- Air exchange system
- Bench seat with 2 seatbelts (Fitted when space allows)
- Storage pockets
- Fixed front bulkhead wall with sliding entry and exit door, side door window disguises with video viewing ports, IR Plexiglas inserts and lens boot
- Main operator's control panel, which controls all surveillance equipment and also monitors the battery status and current draw of the operating equipment
- Operator's chair with adjustable back, 360-degree swivel base, rail mounted
- Auxiliary Power System
- Freon Compressor Powered Low Noise Air Conditioner
- IR Viewing Port Panels

EQUIPMENT INSTALLATION (PLS REQUEST FULL SPECIFICATIONS)

- Video Observation System 360% day and night
- Specialist Audio Receivers (Digital & Analog) with Remote Control
- Video Diversity Receivers plus Outstation Remote Control Links
- Audio Control System
- Video Audio Matrix
- Video and Audio Processing of Targets
- Command and Control Software
- Communications Equipment
- Vehicle Security Alarm System
- Specialist Covert Antennas



SURVEILLANCE VAN

TSE 7000

UPGRADE OF EQUIPMENT

We build each surveillance vehicle to the client's specifications; during the planning stage other tactical surveillance systems can be installed.

- Mobile GSM Monitoring Units (Passive or Active)
- GSM/GPS Tracking Systems
- Mobile MIDAS Link (Modular Intelligence Data Analysis System) for linking the surveillance or command vehicle with the monitoring center
- Direction Finding Equipment
- Remote Control Car Systems
- Central Antenna Bus Bar. A system unique to TSE that allows clients to fit roof mounted antennas anytime during the life of the vehicle

TRAINING

GAMMA TSE will train (4) Department or Agency operators for two weeks in the maintenance and operation of the surveillance platform.



SURVEILLANCE VAN-GMC

TSE 7000 GMC

The TSE-7000 basic surveillance van represents a new era in Mobile Surveillance Platforms!

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On premise manufacturing provides strict 24-hour security, maintaining confidentiality of the customer's platform designs and appearance.



TSE-7000 Command GMC, communications & Surveillance Vehicle Conversion
Includes Isuzu, VW, Toyota, Ford, Nissan, or Mercedes Van, and delivery to country
Other vehicles available to suit client's requirements

VEHICLE CONVERSION OVERVIEW:

- Includes floor, walls, and front bulkhead, ceiling framing; minimum of 50-mm polar fiber insulation. The operational area inside the van has 85 percent ECM screening
- Equipment, counters and cabinets, carpeting, Formica finishing, wiring in plastic and flexible conduit and junction boxes are provided
- The interior lighting package includes all necessary equipment and installation.
- Air exchange system
- Bench seat with 2 seatbelts (Fitted when space allows)
- Storage pockets
- Fixed front bulkhead wall with sliding entry and exit door, side door window disguises with video viewing ports, IR Plexiglas inserts and lens boot
- Main operator's control panel, which controls all surveillance equipment and also monitors the battery status and current draw of the operating equipment
- Operator's chair with adjustable back, 360-degree swivel base, rail mounted
- Auxiliary Power System
- Freon Compressor Powered Low Noise Air Conditioner
- IR Viewing Port Panels

EQUIPMENT INSTALLATION (PLS REQUEST FULL SPECIFICATIONS)

- Video Observation System 360% day and night
- Specialist Audio Receivers (Digital & Analog) with Remote Control
- Video Diversity Receivers plus Outstation Remote Control Links
- Audio Control System
- Video Audio Matrix
- Video and Audio Processing of Targets
- Command and Control Software
- Communications Equipment
- Vehicle Security Alarm System
- Specialist Covert Antennas



SURVEILLANCE VAN-GMC

TSE 7000 GMC

UPGRADE OF EQUIPMENT

We build each surveillance vehicle to the client's specifications; during the planning stage other tactical surveillance systems can be installed.

- Mobile GSM Monitoring Units (Passive or Active)
- GSM/GPS Tracking Systems
- Mobile MIDAS Link (Modular Intelligence Data Analysis System) for linking the surveillance or command vehicle with the monitoring center
- Direction Finding Equipment
- Remote Control Car Systems
- Central Antenna Bus Bar. A system unique to TSE that allows clients to fit roof mounted antennas anytime during the life of the vehicle

TRAINING

GAMMA TSE will train (4) Department or Agency operators for two weeks in the maintenance and operation of the surveillance platform.



SURVEILLANCE VAN – SPRINTER MERCEDES

TSE 7001

The TSE-7001 Mercedes Sprinter Surveillance Van represents a new era in Mobile Surveillance Platforms integrating command-communication and Surveillance

The TSE-7001 is constructed from high quality materials and built by craftsmen with over 40 years of experience in vehicle design and conversion with a full 2 year warranty.

All GAMMA TSE surveillance platform designing is engineered with AutoCAD and manufacturing is produced at GAMMA TSE's Production and Training facility.

TSE-7001 Command, Communications & Surveillance Vehicle Conversion for Mercedes Sprinter Van & delivery to Country



VEHICLE CONVERSION OVERVIEW:

- Includes Floor, walls, and front bulkhead, ceiling framing; minimum of 50mm polar fiber insulation. Inside the van the operational area has 85 percent ECM screening
- Equipment, counters and cabinets, Carpeting, Formica finishing, wiring in plastic & flexible conduit and junction boxes are provided.
- The interior lighting package includes all necessary equipment and installation.
- Air exchange system
- Bench seat with 2 seatbelts (Fitted when space allows)
- Storage pockets
- Fixed front bulkhead wall with sliding entry and exit door, side door window disguises with video viewing ports, IR Plexiglas inserts and lens boot
- Main operator's control panel, which controls all surveillance equipment and also monitors the battery status and current draw of the operating equipment
- Operator's chair with adjustable back, 360-degree swivel base, rail mounted
- Auxiliary Power System
- Freon Compressor Powered Low Noise Air Conditioner
- IR Viewing Port Panels
- Command and Control Software/Laptops with Transmission Media



SURVEILLANCE VAN – SPRINTER MERCEDES

TSE 7001

EQUIPMENT INSTALLATION (PLEASE REQUEST FULL SPECIFICATIONS)

- Video Observation System 360% day and night
- Specialist Audio Receivers (Digital & Analog) with Remote Control
- Video Diversity Receivers plus Outstation Remote Control Links
- Audio Control System
- Video Audio Matrix
- Video and Audio Processing of Targets
- Command and Control Software
- Communications Equipments
- Vehicle Security Alarm System
- Specialist Covert Antennas

UPGRADE OF EQUIPMENT

We build each surveillance vehicle to the client's specifications; during the planning stage other tactical surveillance system can be installed

- Mobile GSM Monitoring Units (Passive or Active)
- GSM/GPS Tracking Systems
- Mobile MIDAS Link (Modular Intelligence Data Analysis System) for linking the surveillance or command vehicle with the monitoring centre
- Direction Finding Equipment
- Satellite communication links
- Remote Control Car Systems
- Central Antenna Bus Bar. A system unique to TSE that allows clients to fit roof mounted antennas anytime during the life of the vehicle

TRAINING

GAMMA TSE will train (4) Department or Agency operators for two weeks in the maintenance and operation of the surveillance platform.



SURVEILLANCE VAN – SATELLITE TRANSMISSION

TSE 7002

The TSE-7002 Satellite Command Surveillance Van represents a new era in Mobile Satellite Surveillance Platforms integrating command-communication and enabling communication transmission to HQ via the satellite links.

The TSE-7002 is constructed from high quality materials and is built by craftsmen with over 30 years of experience in vehicle design and conversion.

All GAMMA TSE surveillance platform designing is engineered with AutoCAD and manufacturing is produced at GAMMA TSE's Production and Training facility.



TSE-7002 Command, Communications & Surveillance Vehicle Conversion
For Mercedes Sprinter and others on request & delivery to country

VEHICLE CONVERSION OVERVIEW:

- Covert Concealed Sat Antennas for auto tracking
- Inmarsat Transmission with Live Color Transmission via talking head
- Includes Floor, walls, and front bulkhead, ceiling framing; minimum of 50mm polar fiber insulation. The operational area inside the van has 85 percent ECM screening
- Equipment, counters and cabinets, carpeting, Formica finishing, wiring in plastic & flexible conduit and junction boxes are provided
- The interior lighting package includes all necessary equipment and installation
- Air exchange system
- Bench seat with 2 seatbelts (Fitted when space allows)
- Storage pockets
- Fixed front bulkhead wall with sliding entry and exit door, side door window disguises with video viewing ports, IR Plexiglas inserts and lens boot
- Main operator's control panel, which controls all surveillance equipment and also monitors the battery status and current draw of the operating equipment
- Operator's chair with adjustable back, 360-degree swivel base, rail mounted.
- Auxiliary Power System
- Freon Compressor Powered Low Noise Air Conditioner
- IR Viewing Port Panels
- Command and Control Software/Laptops with Transmission Media

EQUIPMENT INSTALLATION (PLS REQUEST FULL SPECIFICATIONS)

- Video Observation System 360% day and night
- Specialist Audio Receivers (Digital & Analog) with Remote Control
- Video Diversity Receivers plus Outstation Remote Control Links
- Audio Control System
- Video Audio Matrix
- Video and Audio Processing of Targets
- Command and Control Software
- Communications Equipment
- Vehicle Security Alarm System
- Specialist Covert Antennas



SURVEILLANCE VAN – SATELLITE TRANSMISSION

TSE 7002

UPGRADE OF EQUIPMENT

We build each surveillance vehicle to the client's specifications; during the planning stage other tactical surveillance system can be installed.

- Mobile GSM Monitoring Units (Passive or Active)
- GSM/GPS Tracking Systems
- Mobile MIDAS Link (Modular Intelligence Data Analysis System) for linking the surveillance or command vehicle with the monitoring centre
- Direction Finding Equipment
- Remote Control Car Systems
- Central Antenna Bus Bar. A system unique to TSE that allows clients to fit roof mounted antennas at anytime during the life of the vehicle

TRAINING

GAMMA TSE will train (4) Department or Agency operators for two weeks in the maintenance and operation of the surveillance plate.



INTELL COMMAND TRAILERS

TSE 7005

The TSE-7005 Intell Command Trailer represents a new era in Intell Surveillance Platforms enabling on-site command and control of specialist intelligence operations. The integrated intelligence sharing requires on the ground coordination between the various governmental departments. The intell command trailer enables the national security intell department to manage all operations while in real-time communication (video/audio) with the relevant higher authorities.



The TSE-7005 is constructed from high quality materials and built by craftsmen with over 30 years of experience in vehicle design and conversion.

All GAMMA TSE surveillance platform designing is engineered with AutoCAD and the manufacturing is produced at GAMMA TSE's Production and Training facility.

On premise manufacturing provides strict 24-hour security, maintaining confidentiality of the customer's platform designs and appearance.

TSE-7005 Intell Command Trailer provides the following facilities depending of the size selected for 6-10 persons (20-40 foot):



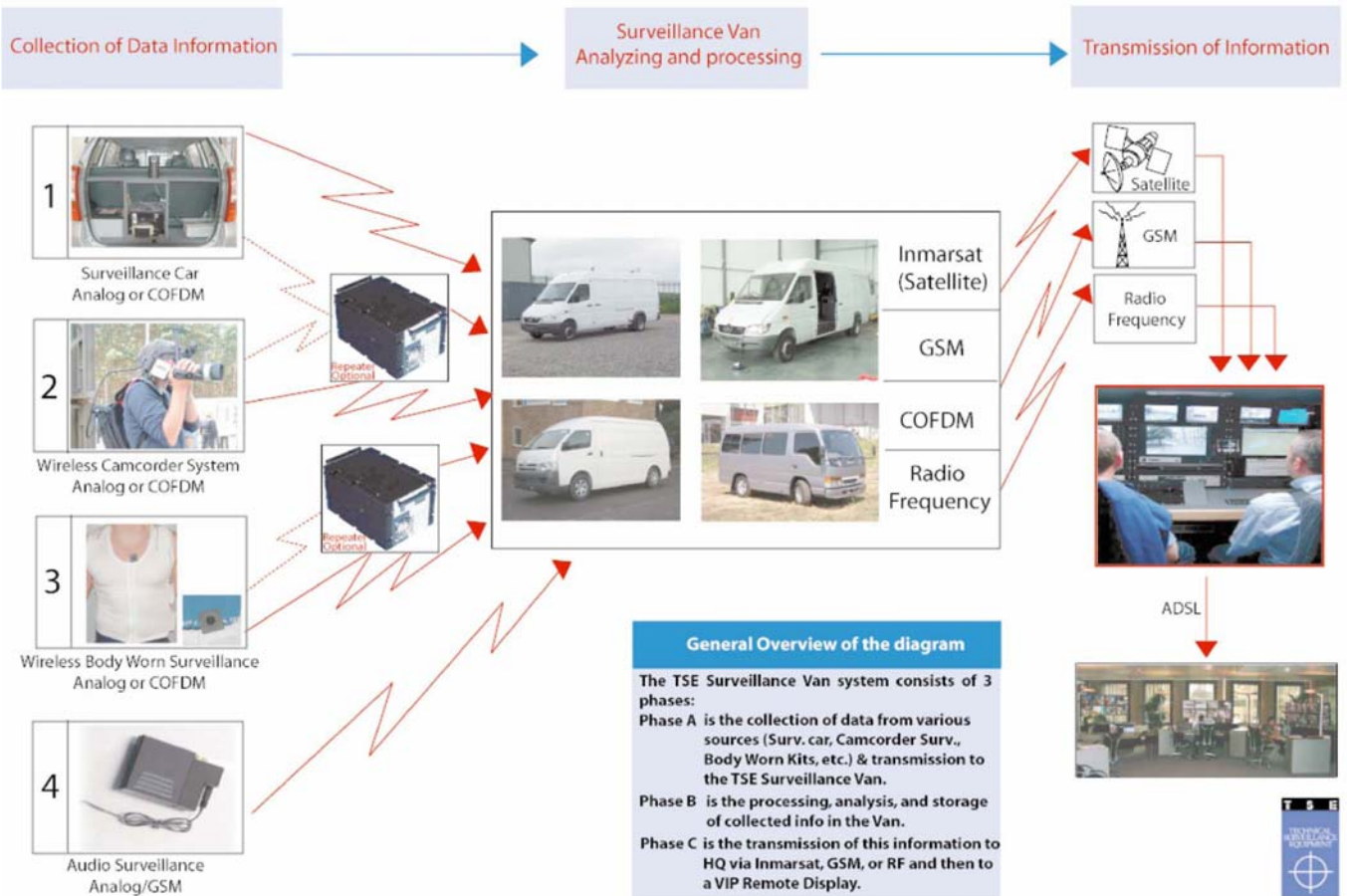
1. Communications room
2. Briefing Room
3. Intel Room (also for hostage negotiations)
4. Bed, Shower, Toilet & Small Kitchen (optional)
5. Onboard Silent Generator with a/c and external tent also with a/c
6. Video Observation day and night incl. rotating Mast
7. Specialist Audio and Video Receiving Systems
8. Radio Monitoring
9. Tetra Communications
10. Voice/Video Recorder
11. Satellite Communications (Live video/audio feed)
12. Audio/Video/Data Matrix Router
13. GSM Communications
14. Computers and ruggedized Hard Disk
15. Tracking Maps
16. Command and Control Software
17. Wireless IP Network (depending on local setup)
18. External Illumination



For full conversion overview please request further information



General Operational Flow Overview



II- Detailed Diagram

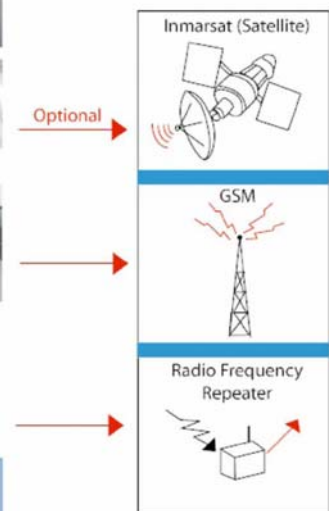
Surveillance Van & Data Processing

Description
TSE 7001 SURVEILLANCE VAN complete with Mercedes Benz Sprinter-Version II Rough Roads with Air conditioning including:
-Day/Night Camera
-Periscope Video System
-Remote Control Joystick
-Video Security
-16x16 Video/Audio
-Microphones
-Image Select Panel
-Communication
-Video Repeater
-Video Encryption
-Video Diversity Receiver
-Radio Scanner
-Video and Audio recorders
-Covert antennas
-Vehicle Power Supply
-Low-Noise Air Conditioning
-Image/Voice Processing
-Inmarsat Transmission
-GSM Transmission
-Van Training
-Shipment

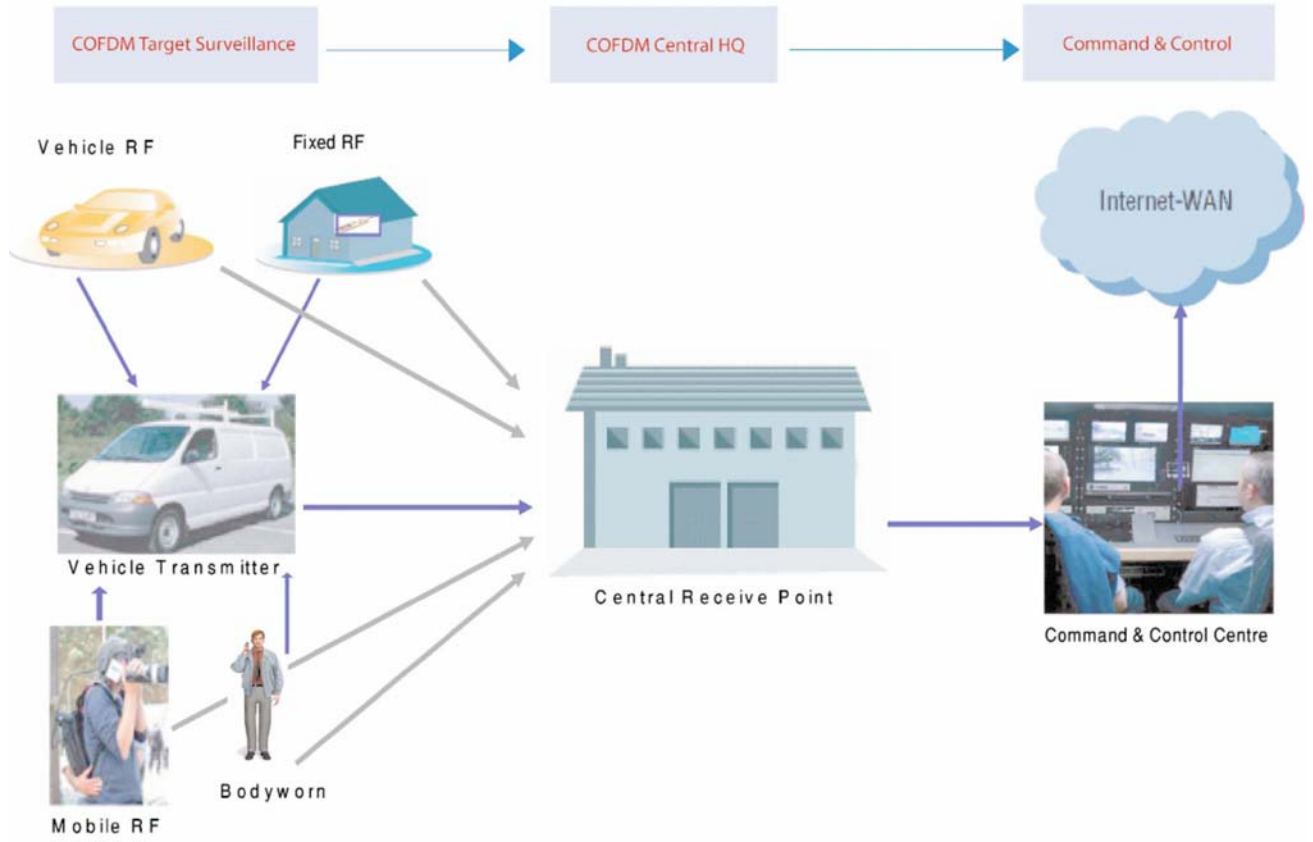
6- CLOSE UP VIEW



Re-Transmission



COFDM Operational Flow Overview





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