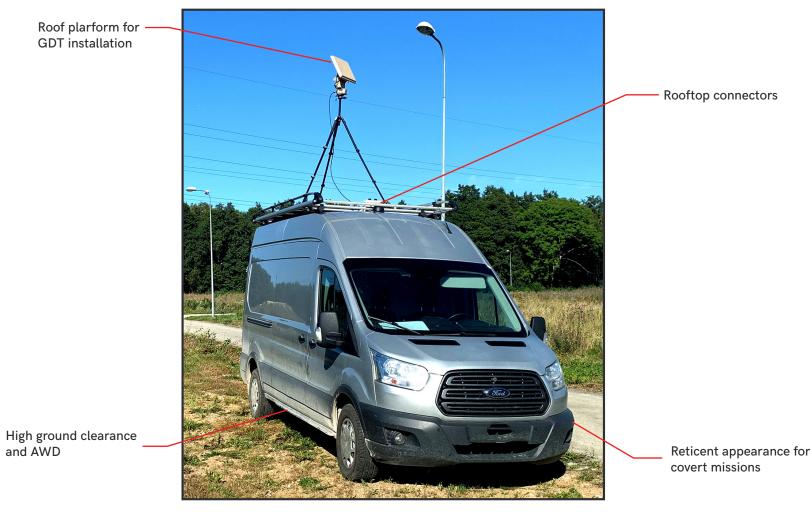# iVan

The iVan is a mobile ground control station, that can be fitted into any "Transit Van" type road vehicle. Various manufacturers and models are suitable and the integration can be done at the customer's location if required. Threod Systems Ground Control Station Software makes the operation of the iVan a user friendly experience whilst maximising efficiency which translates to an extremely quick system to deploy in the field.

THREOD
S Y S T E M S

Roof plarform for GDT installation

Rooftop connectors

High ground clearance and AWD

Reticent appearance for covert missions

Key features:

- Modular solution with many configuration options

- Can be connected to all common GDT´s

- Various accessories to choose from

- Very short setup time

iVan Specifications

Standard configuration

iVan workstations with HC hand controllers

Threod Systems GDT solutions have direct connectivity with the iVan

All systems in iVan are operated using Threod Systems software

Vehicle	
Vehicle type (Standard)	Ford Transit L3H3, 2.2CDTI, 4WD (Many models by VW, Mercedes, Toyota, Renault, Citroën, GMC also suitable)
Inner dimensions	H x L x W 1,9m x 3,2m x 1,6m
Cargo dimensions (floor)	3x EUR pallet
Furniture	Foldable veneer tables Foldable chairs
Rooftop height	3m
Side input ports and power	2x Bayonet RJ-45 1x FO 1x 32A 1ph 230VAC power input 1x grounding connection 24VDC (optional)
Rooftop input ports and power	2x Bayonet RJ-45 1x LEMO 24VDC 12VDC
HVAC	Webasto Air Top EVO 5,5kW diesel heater Dometic FreshWell 3000 A/C (cooling/heating) 1000W electrical heater
Illumination	Exterior: 6x 30W LED worklight (left, right, rear) Interior: Door actuated LED strip Dimmable ceiling LED strip
Battery	12V 240Ah, up to 4h power for workstations (A/C excluded)
Devices	
Internet	Teltonika RUT950 4G router
Ethernet Switch	Netgear 28 port L3 PoE switch with 4xFO inputs
ADS-B	Radarcape ADS-B receiver
Workstations	Three independent workstation computers
Inverter	Meanwell TS-3000 3kW power inverter with solar input and UPS function
Radio	Midland GB-1R PMR mobile radio
Displays	
Station 1	3x Dell 24'' FullHD
Station 2	3x Dell 24'' FullHD
Station 3	1x Philips 43'' 4K
Workstation specification	
Computer	Intel NUC (Core i7 8th Generation, 16Gb RAM, Radeon RX Vega M 8Gb, 1Tb SSD, 2x GigE Ethernet ports, Wi-Fi, Bluetooth)
Keyboard, mouse	Wireless, Logitech
Ports	4x RJ-45 2x USB 3.0 1x 230VAC 2x USB charger (2.1A)
Environmental	
Operating Temperature	-20 °C to +50 °C
Features	
Rooftop platform 1,5x2.4m with various mounts – install telescopic mast, or use Rolatube on the roof	
Operate Stream C + 1 additional UAV simultaneously	
Simultaneous flying of 3 UAV's (Titan, EOS)	
Separate UAV operator and payload operator configuration (Stream, EOS)	
Weather station mount on roof	
GPS, ADS-B, 2G/3G/4G, 2.4/5.8GHz MIMO, PMR antennas on the roof	
On-the-move operation of UAV (with HGCS from driver cabin)	
Minimum 1kW generator output needed for 3 workstation operation	
Minimum 3kW generator output needed for 3 workstation operation with HVAC	
Optimal generator power is 4,5kW – workstations, HVAC, battery charging, water kettle use	

Note! iVan can be customised per customer requirements. Various vehicles and IT systems can be used. Contact Threod Systems for additional information.

THREOD SYSTEMS

SYSTEMS

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