Essential fleet management technology for your light vehicle fleet

3000 Series

MTData's light vehicle & asset tracking solutions offer easy-to-install, reliable tracking for your business. The versatile 3000 series has options to suit a variety of vehicles, all connected through our Hawk-Eye platform. Track performance, improve efficiency, and seamlessly integrate data into your systems via API.

- **Manage your fleet performance via Hawk-Eye**
- **Centralise data insights across light and heavy vehicles**
- **Secure hardware, software & Australian infrastructure**
- **Key safety features for drivers**
- **Compatible with MTData Swift driver app**
- **Integrate data to your existing systems via API**

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CERTIFIED ISO 27001:2022 COMPANY

Vehicle Tracking

Mix and match tracking units to pick the best solution that suits each vehicle and its use.

Dashcam Tracking Unit

Two-in-one tracking and safety dashcam. A dual-function unit combining high-resolution video recording with GPS tracking. Provides driver alert to potential safety risks to assist in incident prevention.

- Video recording
- Accurate tracking
- Enhanced safety
- Driver accountability

OBDII Vehicle Tracking Unit

A compact, easy-to-install unit that connects to your car's OBDII port, providing GPS tracking and vehicle diagnostics.

- Hassle-free setup
- Accurate tracking
- Comprehensive monitoring
- Energy efficient
- Custom alerts

Hardwired Vehicle Tracking Unit

A permanently installed unit that provides GPS tracking, ideal for long-term and secure fleet management.

- Secure installation
- Accurate tracking
- Supports digital input monitoring
- Easy installation
- Energy efficient
- Custom alerts

Asset & Trailer Tracking

MTData offer options for powered and non-powered assets, such as trailers, and equipment. Track these important assets in the same place as your vehicles in Hawk-Eye.

Hardwired Trailer Tracking Unit

A robust tracking solution for powered assets, designed for long-term reliability and frequent reporting, even when disconnected for periods.

The high reporting frequency and rugged design is ideal for demanding conditions and critical asset management.

- Durable construction
- Frequent updates (2 mins)
- Rechargeable battery
- GPS location
- Weather-resistant
- Compact size
- Versatile use

Solar Tracking Unit

An easy-to-install tracking solution with a large rechargeable battery, perfect for non-powered outdoor assets, offering long-term operation with solar power. This solution is ideal for assets such as trailers and rail carriages.

- Durable construction
- Long-lasting power
- GPS location
- Weather-resistant
- 1 min tracking frequency *

Portable Tracking Unit

A compact, portable battery powered GPS asset tracker featuring 5 years battery life with no additional wiring required.

- Quick and easy setup
- Daily location updates
- Compact size
- Weather-resistant

* Uploads once per 10 minutes when moving, once per 4 hours when stationary with normal battery level

Software & Feature Capabilities

	OBDII Vehicle Tracking Unit	Hardwired Vehicle Tracking Unit	Dashcam Tracking Unit
Tracking & Mapping			
Live GPS tracking	✓	✓	✓
History replay	✓	✓	✓
Speed	✓	✓	✓
Ignition On & Off	✓	✓	✓
Waypoints & proximity search	✓	✓	✓
G-force detection	+	+	✓
OBD ECM Data	△	✗	+
Reporting & Insights			
Dashboards and reports	✓	✓	✓
Alerts and notifications	✓	✓	✓
Driver Features			
Driver App (SwiftLink)	✓	✓	✓
Driver ID and login *	✓	✓	✓
Pre-trip checklist *	✓	✓	✓
Fit-for-duty declarations *	✓	✓	✓
Camera Capabilities			
Video recording	✗	✗	✓
Forward-facing safety camera	✗	✗	✓
Driver-facing safety camera	✗	✗	✓
Remote video retrieval	✗	✗	✓
Driver Safety Alerts			
Driver requested recording	✗	✗	✓
Impact detected	✗	✗	✓
Harsh acceleration detected	✗	✗	✓
Harsh braking detected	✗	✗	✓
Harsh cornering detected	✗	✗	✓
Keep distance	✗	✗	✓
Tailgating	✗	✗	✓
Distraction detection	✗	✗	✓
Phone usage	✗	✗	✓

	Hardwired Trailer Tracking Unit	Solar Tracking Unit	Portable Tracking Unit
Tracking & Mapping			
Live GPS tracking	✓	✓	once a day
History Replay	✓	✓	✓
Speed and odometer	✓	✓	✗
Dynamic geofence management	✓	✓	once a day
Reporting & Insights			
Dashboards and reports	✓	✓	✓

* Requires driver touchscreen hardware or driver app (Swift+) add-on.
+ Future roadmap

△ Available depending on vehicle model.

Vehicle Tracking Specifications

	OBDII Vehicle Tracking Unit	Hardwired Vehicle Tracking Unit	Dashcam Tracking Unit
Network			
Network	4G	4G	4G
Wireless Interface			
Cellular Antenna	Internal	Internal	Internal
GPS Antenna	Internal	Internal	Internal
Inputs and Outputs			
OBDII Interface	J1850 PWM VPW ISO-9141-2 ISO-14230 KWP 2000 ISO-15765 CAN	N/A	N/A
Digital Inputs	N/A	4	N/A
Serial Interface	Micro-USB 2.0 Connector	N/A	Mini USB x1
LED Indicators	OBD, Cellular, GPS	GPS and Cellular	Recording, WiFi/LTE active
Memory			
Memory	N/A	N/A	2GB RAM / 16GB internal storage, MicroSD 128GB (60 hours of footage) or 512GB (240 hours of footage)
Electrical			
Operating Voltage	12-24 VDC	12-24 VDC	12V
Power Consumption	4.9mA (deep sleep), 83mA (normal operation)	Typical <400uA (low power sleep), 50mA (GPS tracking & idle)	420mA (vehicle on), 4.2mA (parked)

	OBDII Vehicle Tracking Unit	Hardwired Vehicle Tracking Unit	Dashcam Tracking Unit
Battery			
Battery Capacity	180 mAh	1000mAh	10 Farads
Battery Technology	Lithium-Ion	Lithium-Ion	10F SuperCap
Environmental			
Operating Temperature	-30°C to +75°C	-30°C to +60°C	-20°C to +60°C
Storage Temperature	-40°C to +85°C	-20°C to +25°C	-30°C to +85°C
Humidity	95% R.H. @ 50°C non-condensing	85% R.H. @ 50°C non-condensing	85% R.H. @ 50°C non-condensing
Ingress Protection Rating	N/A	IP41 in-cab use	IP41 in-cab use
Physical			
Dimensions	43 x 64 x 25mm	94 x 53 x 20mm	130 x 150 x 450mm
Weight	52g	80g	158g
Mic/Speakers	N/A	N/A	Built-in mic x2 Built-in speaker x1
Buttons	N/A	N/A	Emergency recording button for driver to manually trigger 60s recording
Camera	N/A	N/A	Forward: FOV: D: 142° / H: 116°/ V: 60° (±5%) Full HD 1920 x 1080 @ 30fps
Certifications			
Certifications	FCC, CE, IC, PTCRB, carriers, RoHS	FCC, CE, IC	CE, CB, FCC/IC, UKCA, RCM, BQB, AWS
Mounting			
Location	Via the vehicles built-in OBDII connector	Typically under the vehicles dashboard	Windshield mounting within the vehicles cab

Asset & Trailer Tracking Specifications

	Hardwired Trailer Tracking Unit	Solar Tracking Unit	Portable Tracking Unit
Network			
Network	4G	LTE CAT M-1	LTE CAT M-1
Wireless Interface			
Cellular Antenna	Internal	Internal	Internal
GPS Antenna	Internal	Internal	Internal
Inputs and Outputs			
OBDII Interface	N/A	N/A	N/A
Digital Inputs	4	AUX power in (6-24 VDC)	N/A
Digital Outputs	3 relay driver outputs (200mA)	N/A	N/A
Serial Interface	N/A	RS-232	N/A
LED Indicators	GPS and Cellular	Multi-colour RGB LED	GPS and Cellular
Memory			
Memory	N/A	N/A	N/A
Electrical			
Operating Voltage	12-24 VDC	6-24 VDC	N/A
Power Consumption	Typical <400uA (low power sleep) 50mA (GPS tracking & idle)	4 months without charging at 1 report per hour	5 years at 1 report per day
Battery			
Battery Capacity	5200 mAh	9000mAh	1500 mAh (non-rechargeable)
Battery Technology	Lithium-Ion	Lithium-Ion	4 x CR123A Lithium + Manganese Batteries

	Hardwired Trailer Tracking Unit	Solar Tracking Unit	Portable Tracking Unit
Environmental			
Operating Temperature	-30°C to +60°C	-20°C to +70°C	-20°C to +60°C
Storage Temperature	-20°C to +25°C	5°C to +25°C	-20°C to +60°C
Humidity	85% R.H. @ 50°C non-condensing	5% to 95% RH non-condensing	45% to 85% RH @ 50°C non-condensing
Ingress Protection Rating	IP66	IP67	IP67
Physical			
Dimensions	114 x 80 x 39mm	262 x 88 x 30 mm	101.8 x 50.2 x 39 mm
Weight	580g (with harness)	540g	157g
Mic/Speakers	N/A	N/A	N/A
Buttons	N/A	N/A	N/A
Camera	N/A	N/A	N/A
Certifications			
Certifications	FCC, CE, IC	CE, FCC/IC, UN38.3, RoHS, PTCRB, RCM, Reach, SAEJ1455, ISO16750, EME	FCC, IC, PTCRB, RoHS
Mounting			
Location	Multiple mounting options depending on asset type, eg: vehicle, trailer or heavy equipment.	Mount on side of asset with the unit positioned vertically, solar panel facing outwards.	Optional mounting bracket

Compatible Accessories

Dashcam Tracking Unit

Dashcam Tracking Unit
0900-0227-00

Dashcam Tracking Unit comes with:
128GB SD card
power cable & windshield mount

OBDII Tracking Unit

OBDII Tracking Unit
0900-0212-00

Extension Cable
0900-0211-00

Extension Y Cable
0900-0213-00

Hardwired Vehicle Tracking Unit

Hardwired Vehicle Tracking Unit
0900-0226-00

Solar Tracking Unit

Solar Tracking Unit
0900-0215-00

Portable Tracking Unit

Mounting Bracket
2201-0141-00