**All-in-one unit for a full picture of your fleet**

# 7000AI

**Driver behaviour AI technology with distracted & drowsy driver detection**

**Secure hardware, software & Australian infrastructure**

**One central unit**

**Australian designed, manufactured & supported**

**Vision via 8-channel camera support**

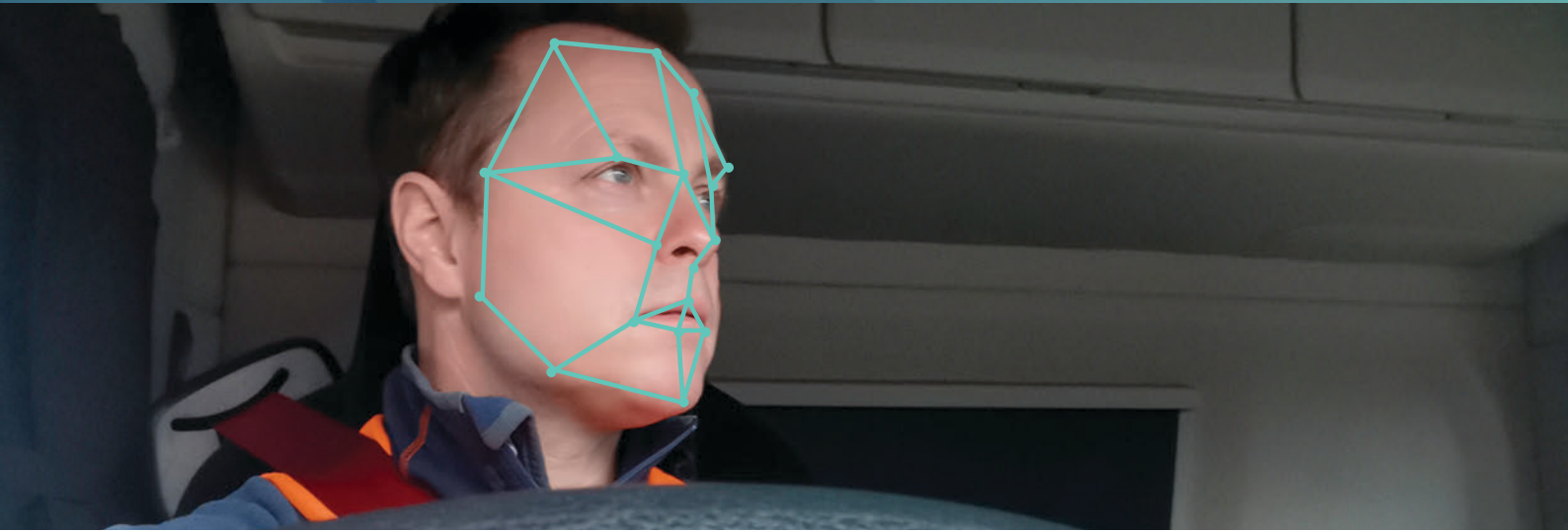**Optional Iridium Satellite connectivity**

**NVIDIA AI module**

**Elevate to a smarter, safer and more efficient fleet with the all-in-one 7000AI - a safety and compliance device designed to centralise telematics data, connections and multi-camera recording within a powerful hub for full visibility and control.**

Designed and manufactured in Australia, the 7000AI monitors data from multiple vehicle, driver, and visual inputs, so you know what's happening on the road without riding along. Powerful data and insights are accessible on the MTData Hawk-Eye software, so you can see the complete picture of your fleet and driver performance, and identify risks and trends.

Supporting a multichannel camera system with up to 8-channels, capture events from key vantage points surrounding the vehicle's peripherals and in-cabin. The AI camera technology enhances road safety and compliance by detecting driver behaviour, helping to reduce accidents related to distraction and drowsiness via proactive intervention.

# Software & Feature Capabilities

| | | | | |
|---|---|---|---|---|
| Live and historic GPS tracking | Routing and navigation * | Dynamic geofence management | Vehicle data interface | TMA approved |
| Scales and mass management | Video recording for up to 8-channel camera vision * | Driver facing AI monitoring * | Multi-sensor driver alerts * (audio, visual, vibration) | Optional human event verification & escalation support |

✔ API integrations

✔ Speed, idling and g-force detection

✔ Asset tracking & refrigeration monitoring

✔ Fuel Tax Credits reporting

✔ Dashboards and reports

✔ Industry specific job dispatch with sign-on-glass technology *

✔ Optional workshop management software

✔ In-vehicle driver touch screen *

✔ Driver ID and login *

✔ Fatigue management *

✔ Electronic Work Diaries *

✔ Prestart checklists and fit-for-duty declarations *

✔ Inspections, faults and incident reporting *

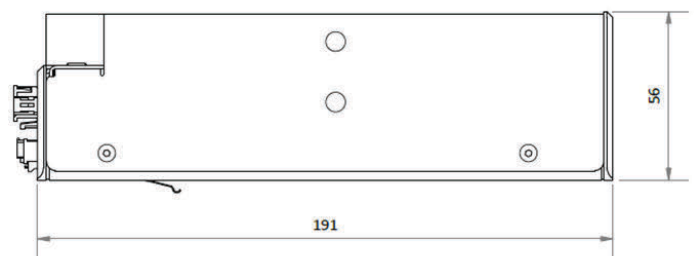✔ I/O compatibility for functions such as duress and power take-off (PTO) inputs

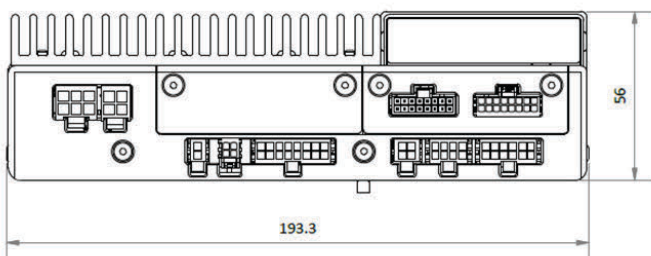* Requires additional hardware and/or monthly feature add-on subscription

# 7000AI Specifications

## Jetson TX2 NX* SoM Specifications

| | |
|---|---|
| **AI Performance** | 1.33 TFLOPs |
| **GPU** | NVIDIA Pascal™ Architecture GPU with 256 CUDA cores |
| **CPU** | Dual-core NVIDIA Denver 2 64-bit CPU and quad-core ARM A57 Complex |
| **Memory** | 4GB 128-bit LPDDR4 1600 MHz - 51.2 GBs |
| **Storage** | 16GB eMMC 5.1 Flash Storage |

## I/O Specifications

| | |
|---|---|
| **Audio** | Audio Codec with 1 x Mono Speaker output 1 x microphone input |
| **Generic I/O** | 4 x Digital Inputs 3 x Low Side Outputs 1 x High Side Output |
| **Interfaces** | 3 x RS232 1 x USB Device - service only (USB-C) 1 x USB Host (USB-A) 1 x Gigabit Ethernet 1 x HDMI Out |
| **Expansion** | Two expansion slots for camera interface cards and other peripherals<br>• 8 Channel 1080P30 Analogue HD (AHD, TVI, CVI, CVBS)<br>• Iridium Satellite Comms |

## Peripheral Specifications

| | |
|---|---|
| **IMU** | Built-in 3D accelerometer and 3D gyroscope – ST LSM6DSM |
| **GPS** | Built-in GPS with UDR (Untethered Dead Reckoning) – Ublox NEO-M9V |
| **Cellular** | 4G Cat4 - Telit LE910C4, SIM 2FF |
| **WiFi/Bluetooth** | 2x2 802.11AC / Bluetooth 5.1 (future use) - Intel 9260 |
| **Storage** | 1TB NVMe (M.2 encrypted) - WD BLACK SN770 |

## Power Specifications

| | |
|---|---|
| **Power input** | Range: 9 -30VDC (10A max, 2A typical at 12V) |
| **Internal battery (UPS Backup)** | 6.4V 4000mAh LiFePO4 |
| **UPS typical runtimes** | 15W: 80 mins 20W: 60 mins 25W: 50 mins 40W: 30 mins |

## Physical Specifications

| | |
|---|---|
| **Dimensions (without bracket)** | 191mm x 193.3mm x 56mm (L x W x H) |
| **Weight** | 2.25Kg (Standard configuration) |
| **Cooling** | Passive cooling options |

Note: Specifications subject to change

# 7000AI Compatible Accessories

## Driver Input Device

**Samsung Tab Active**
0900-0401-00

**Samsung Tab Active 8" Holder (no lock)**
0900-0310-00

## Camera System

**Driver facing AI camera and bracket**
0900-0316-00

**Camera forward facing 2.1M1080P 6mm**
0900-0314-00

**Camera driver facing IR 2.1M 1080P 2.9mm**
0900-0313-00

**Camera Regular Dome IR 2.1M 1080P 3.6**
0900-0315-00

## Duress

**Duress Switch Kit**
1900-0142-00

## ECM Interface (Serial Input)

**1034 ECM Unit**
1034-0000-00

**1033 OBD ECM Unit**
1033-0000-00

## I/O Looms

**I/O Harness - Microfit Breakout**
1900-0412-00

## Serial Integrations

**Serial Cable Dual DB9 Male**
1900-0422-01

## Receivers

**Internal Satellite Card**
7050-000-01

Note: Specifications and compatibility subject to change