2020 PRODUCT CATALOGUE

With new products, software and features such as:
- The Guia Platinum Lite; The power of Platinum software, in Gold hardware.
- Ag-Mission; Flight planning and recording software made easy, and FREE!
- The Ag-Nav Unified Flow Controller (UFC) can control both wet and dry flow systems!
**SYSTEMS**

**Platinum**

The Guia Platinum is the ultimate state-of-the-art companion for aerial agriculture and mosquito control. With its super bright 8.4” touch screen, obstacle and power line warnings, automatic flow control, wi-fi connectivity and much more; you can spend more time in the air and less on the ground.

**Platinum Lite**

The Guia Platinum Lite has all the power/functionality of the Platinum system, fit into a Guia case with button inputs. A new great option for Pilots without a lot of space in the cockpit, that need the advanced software of the platinum. Control the system easily and safely with our 5-position switch so you never have to take your hands off the controls!

**Guia Air**

Based on more than 25 years of GPS development, Ag-Nav Inc. provides both a Gold and a Silver version for pilots. The Gold version has full flow control. It interfaces with other GPS engines as well as AG-NAV’s Ag-Flow Automatic Flow Controller, Standalone Flow Controller, and Variable Rate Application (VRA) software. The Silver provides all Gold capabilities without flow control.

**Guia Lite**

The Guia Lite consists of a compact, intelligent touch screen display, built in GPS engine, and a super bright light bare that comes in 2 models for internal or external use.
The Ag-Nav™ GroundNav system is for ground applications such as backpack spraying, ground mapping, ground sprayers, area marking and more.

Developed by ENERCRAFT, produced by AgNav. Compact, portable, rechargeable battery pack. Improves engine operation, provides clean energy and increases turbine life.

These advanced Lightbars were designed to utilize new High Intensity LED technology that allows the operator to have clear guidance during the most intense lighting conditions as well as the lowest lighting conditions, which makes flying at night not only possible, but much safer.
ALL SYSTEM VARIATIONS AVAILABLE IN PLATINUM OR GOLD CONFIGURATIONS.

**FlightMaster**
Drift control system.

**PhotoNav**
Photogrammetry navigation system.

**Traxnav**
Wildlife control system.

**TrackerNav**
Realtime flight tracking.

**FireNav**
Aerial firefighting navigation system.

**LiNav**
Geophysical navigation system.
FLOW CONTROL

AgFlow
Liquid flow control system.
Also available in Ultra-Low-Volume.

AgFlow-G
Granular flow control system. For helicopters.
Also available in Ultra-Low-Volume.

AgFlow-G1
Standalone granular flow control system. For helicopters.

AgFlow-1
Standalone liquid flow control system.

Granular Gate Controller
Fixed wing granular flow control.

Automatic 3-Way Valve
Automatic spray system control.
HARDWARE

P550
GPS receiver system.

DIS Control
Data Interface System.

AgView
Rugged live view camera for platinum system.

Altimiter Interface
AgNav systems are compatible with third party altimiters.

SOFTWARE

NavViewW
AgNav post-processing software.

SprayViewW
AgNav post-processing software with Google Earth interface.

SurvViewW
LiNav post-processing software.

AgMission
AgNav online mission planning software.
Guia Platinum

Precision Navigation System

The powerful dual core i7 processor with 4Gb of RAM allows for advanced computing tasks to run alongside the guidance application such as video recording/display from multiple cameras, displaying high resolution background maps, and communicating with Ag-Nav’s wide variety of control systems. The Internal Hard Drive is an industrial 8Gb SLC solid state drive that can be upgradable to 128 Gb. This rugged design is also packed with wireless communication using Wi/f_i and Bluetooth allowing for seamless file transfer to and from the office or other aircraft involved in a mission.

Where safety is a main concern for pilots, the Platinum’s user control has been strategically designed so that the pilot can operate the system from a remote 5 position switch as well as the touch screen. Other key safety features such as a visual and optional audible obstacle warning, hot keys for guidance-to-home, airport waypoints and flight mission recording. An internal GPS receiver is also built into the Platinum giving the system GPS double redundancy.

When the platinum is coupled to Ag-Nav’s other leading technologies, it opens up endless opportunities for the industry. Technology such as our automatic boom control system for agriculture aviation and forestry significantly reduces pilot fatigue and workload by removing the need for manual control of the spray system. Costly chemical under/over application can be eliminated when the Platinum is used with our vast line of variable rate flow controllers for both wet/dry material, including ULV. The Platinum also supports both laser and radar altimeters as target flying height can be a key factor in dispersing material and achieving desired results.

The Platinum features a robust Linux-based operating system, so there are no hidden license fees, no need for anti-virus software and no need for regular service pack updates.

As always, when you buy an Ag-Nav product, you get 24/7, 365 days a year technical support by phone, email or through the built-in online remote assistance.

Key Features:

- **Easy** - Super bright 8.4” touch screen guidance and input
- **Safe** - Obstacle and power line warnings
- **Accurate** - Turns spray on and off automatically
- **Connected** - Built in Wi-Fi, and Bluetooth
- **Effective** - Compatible with Ag-Nav Flow controller devices for both wet and dry

Specifications:

- **Main CPU:** Intel I7 Dual core with Turbo 2.8 GHZ
- **RAM:** 4 GB Industrial Temp RAM
- **Hard Drive:** 8 GB (upgradeable to 128 GB)
- **Serial Communication:** 4 x RS232, 1 x RS232/485, 1 CAN port
- **USB:** 4 x High-speed USB 2.0 ports
- **Wi-Fi:** (IEEE 802.11b/g/n)
- **Bluetooth:** 2.1 + EDR
- **Audio:** Line output, Mic input
- **Power:** 12-30 VDC (fail-safe protected)
- **Video:** Sunlight readable 8.4” SVGA 1200 LCD

**STC Compliance:** G-Load Display, Record and Alert

**Night Vision:** NVIS mode (optional)

**Screen:** Resistive touch panel with haptic feedback, VGA output

**I/O’s:** 4 boom switches, 1 camera trigger, 1 relay, 5 remote switches, 2 extra remote switches, 1 x counters, 2 x variable reluctance (VR) sensor, 2 x analog sensor inputs (pressure, radar, etc)

**Mechanical Dimensions:** 220 mm x 175 mm x 55 mm 8.7 in x 6.9 in x 2.2 in

**Material:** Industrial Aluminum Alloy

**Mounting Options:** Flush, Chassis, or Adjustable RAM mounting brackets
Guia Platinum Lite

Precision Navigation System

The Intel Atom 1.6GHZ CPU allows for advanced computing tasks to run alongside the guidance application such as displaying high resolution background maps, and communicating with Ag-Nav's wide variety of control systems. This rugged design can also be upgraded to have external USB wireless communication using Wi-Fi and Bluetooth allowing for seamless file transfer to and from the office or other aircraft involved in a mission.

Where safety is a main concern for pilots, the Platinum Lite's user control has been strategically designed so that the pilot can operate the system from a remote 5 position switch. Using the hot keys can select functions such as guidance-to-home, airport waypoints and flight mission recording.

When the Platinum Lite is coupled to Ag-Nav's other leading technologies, it opens up endless opportunities for the industry. Technology such as our automatic boom control system for agriculture aviation and forestry significantly reduces pilot fatigue and workload by removing the need for manual control of the spray system. Costly chemical under/over application can be eliminated when the Platinum Lite is used with our vast line of variable rate flow controllers for both wet/dry material, including ULV. The Platinum Lite also supports both laser and radar altimeters as target flying height can be a key factor in dispersing material and achieving desired results.

The Platinum Lite features a robust Linux-based operating system, so there are no hidden license fees, no need for anti-virus software and no need for regular service pack updates.

As always, when you buy an Ag-Nav product, you get 24/7, 365, technical support. By phone, email or through the built-in online remote assistance.

Key Features:

- **Easy** - 5 Key panel with remote hand controls
- **Safe** - Obstacle and power line warnings
- **Accurate** - Turns spray on and off automatically
- **Connected** - External Wi-Fi, and Bluetooth
- **Effective** - Compatible with Ag-Nav Flow controller devices for both wet and dry

Specifications

- CPU: Intel Atom 1.6 GHZ
- SATA Hard Drive: Flash 2 GB to 32 GB
- RAM: 1GB
- LCD Screen: 6.5” Full colour, sunlight readable, LED backlit
- Serial Communication: 4 x RS232 serial ports
- USB: 2 x USB ports
- Keypad: Electrometric tactile keypad, 6 soft keys for program navigation, 3 control keys: on/off, brightness, up/down
- Other: Remote Boom Switch

Dimensions: 179 mm (W) x 134 mm (L) x 38.455 mm (H)
- Material: Aluminum Alloy
- Mount: Chassis mount bracket or Adjustable Ram Mount
- Enclosure: Dust proof and splash proof
- Weight: 1.5 kg
- Input voltage: 10-30 VDC (Reverse Polarity Protected)
- Operating Temp: 14 °F to 149 °F (-10 °C to +65 °C)
**Guia Gold & Silver**

**Precision GPS Navigation**

The AG-NAV® Guía is a Precision Navigation system with superior performance and ease-of-use for GPS guidance in aerial applications. Based on more than 25 years of GPS development, Ag-Nav Inc. provides both a Gold and a Silver version for pilots. The Gold version is a proven Navigation platform with full flow control. It easily interfaces with other GPS engines as well as AG-NAV’s Ag-Flow Automatic Flow Controller, Stand-alone Flow Controller, and Variable Rate Application (VRA) software. The Silver provides all Gold capabilities without flow control. Ask about how we can help maximize your in-flight productivity with navigation, flow control and light bar options.

Both Guía systems utilize a compact, intelligent Moving Map Display with a six-key keypad, a stand-alone GPS Engine, and a super-bright Lightbar for internal or external use. Developed for agricultural, forestry, mosquito control and other applications, Guia features the user-friendly and popular AG-NAV software, which includes full data logging for easy reporting to clients. Now, you can fly each job even more cost-effectively with state-of-the-art software and hardware that provides you with all the information you need at your fingertips, right in the cockpit. It’s all about ‘Advanced Navigation Made Easier’.

**Specifications**

- **CPU:** Intel Atom 1.6 GHZ
- **SATA Hard Drive:** Flash 2 GB to 32 GB
- **RAM:** 1 GB
- **LCD Screen:** 6.5” Full colour, sunlight readable, LED backlit
- **Serial Communication:** 4 x RS232 serial ports
- **USB:** 2 x USB ports
- **Keypad:** Electrometric tactile keypad, 6 soft keys for program navigation, 3 control keys: on/off, brightness, up/down
- **Other:** Remote Boom Switch
- **Dimensions:** 179 mm (W) x 134 mm (L) x 38.455 mm (H)
- **Material:** Aluminum Alloy
- **Mount:** Chassis mount bracket or Adjustable Ram Mount
- **Enclosure:** Dust proof and splash proof
- **Weight:** 1.5 kg
- **Input voltage:** 10-30 VDC (Reverse Polarity Protected)
- **Operating Temp:** 14 °F to 149 °F (-10 °C to +65 °C)

When in the market for a GPS Precision Navigation system, choose quality, choose excellence, choose the AG-NAV® Guía. As always, when you purchase an AG-NAV® product, you get the best technical support in the industry waiting for you 24/7, 365 and in 9 languages.
Guia Lite
Precision GPS Navigation

The AG-NAV™ Guia Lite is a Precision Navigation system designed to meet and exceed specific requirements for GPS guidance in aerial applications.

The Navigation system provides the operator with the latest computer technology and GPS navigation. The AG-NAV™ Lite consists of a compact, intelligent touch screen display, built in GPS Engine, and a super bright Lightbar that comes in two models for internal or external use. The state-of-the-art software and hardware provides you with clear and fast visual information required to fly each job efficiently and effectively.

The system features the user-friendly and very popular AG-NAV software, which has been successful in agricultural applications where no need of moving map is an option.

The Guia Lite has been designed with the experience from the guia gold and guia silver and to deliver the minimum requirements for aerial guidance. The system is the lightest in the market and small enough to allow for clear data display and easy installation on any aircraft.

The 4.3 inches touch screen is very easy to use; it displays important information on the fly and can be used to program the many patterns the Agnav Lite offers. Spray data can be recorded when upgrading the Guia Lite system to save data in a USB stick, making it simple to load for later reviewing with the Navview data analysis software (included).

When in the market for a GPS Precision Navigation system, choose quality, choose excellence, choose the AG-NAV™ Guia. As always, when you purchase an AG-NAV™ product, you get the best technical support in the industry waiting for you 24/7, 365 and in 9 languages.

SPECIFICATIONS:

- 4.3 inches LCD colour screen
- Control parameters via touch screen interface
- Built GPS/GLONASS receiver
- External Antenna
- Upgradable for data recording
- Fully programmable patterns
- Very light weight
- 12-30 volts – aircraft operating voltage
- Remote boom switch

- Dimensions: 125 mm (W) x 37 mm (L) x 90 mm (H)
- Material: Aluminum Alloy
- Mount: Chassis mount bracket or adjustable ram mount
- Enclosure: Dust proof and splash proof
- Weight: 0.2 kg
- Operating Temp: 14 °F to 149 °F (-10 °C to +65 °C)
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<thead>
<tr>
<th></th>
<th>Lite</th>
<th>Silver</th>
<th>Gold</th>
<th>Platinum</th>
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<td>1.6 GHz Intel Atom</td>
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<td><strong>Hardrive (Storage)</strong></td>
<td>Optional External Storage (USB or MicroSD)</td>
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<td>8 GB (Upgradable to 64 GB)</td>
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<td>4 Wire Resistive Touch Panel, 5 Position Remote Switch</td>
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<td>Tactile Keypad, 5 Position Remote Switch</td>
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<td><strong>External Camera Trigger</strong></td>
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<td><strong>Extra Remote Keys</strong></td>
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<td><strong>Counter Input</strong></td>
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<td><strong>VR Sensor Input (Rotary Atomizer RPM)</strong></td>
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<td><strong>Automatic Target Spray</strong></td>
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<td>Yes</td>
<td>Yes</td>
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<td><strong>Lightbars (All Brightbars/Navbars)</strong></td>
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<td>Yes</td>
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<td><strong>Aglaser</strong></td>
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<td><strong>Accura/Flightmaster Module (Drift Control)</strong></td>
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<td><strong>Wimmer/MIG</strong></td>
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<td><strong>Ag-Nav Camera (USB/Wifi)</strong></td>
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</table>

**Ag-Nav Camera**

- **Lite**: No
- **Silver & Gold**: Yes
- **Platinum**: Yes
889/887 Light Bar
3D Guidance Display

The 889/887 Lightbars (Steering indicators) are the latest addition to Ag-Nav’s extensive product line. These advanced Lightbars were designed to utilize new High Intensity LED technology that allows the operator to have clear guidance during the most intense lighting conditions as well as the lowest lighting conditions, which makes flying at night not only possible, but much safer. The 889/887 Lightbars have key safety features such as obstacle warning indication, altitude guidance and full dimming capabilities. The 889 Lightbar is an external Lightbar intended for mid-sized to large fixed-wing agricultural aircraft, and the 887 is an internal Lightbar designed for small fixed-wing aircraft and helicopters. These Lightbars are designed for the most rugged environments and have been designed to meet IP65/67 manufacturing requirements.

The 889LBar features:
- Horizontal guidance: Cross Track and Angle of Intercept
- Vertical guidance: Difference between desired and actual spray heights or altitudes.
- 4 programmable fields of flight information.
- Spray indicator
- Boundary approach count down.
- Aircraft inside or outside spray area indicator.
- Obstacle warning
- 32 brightness levels, adjustable for day and night flights

AgNav Lightbars are highly customizable, allowing the pilot to program the information he/she wants to see on the chosen lightbar. Below are examples of the data available to pilots:
- Cross-track
- Angle of intercept
- Altitude guidance
- Target swath number
- The total Acres/Hectares in the area sprayed or spread
- Distance sprayed/spread in current swath
- Ground speed
- Distance to go to the area boundary
- Spray time per pass
- Distance from/to waypoint
- Waypoint number destination

Check your navigation manual for a complete set of available data. Don’t forget to download the latest FREE software.

889 Specifications:
- 889 LED count – high bright LEDs
- Optional NVIS version
- Large sun visor
- Designed to meet IP67 requirements

- 6061 aluminum construction
- 2.72 KG — light weight
- 14.25”L x 8”D x 4”H external light bar

887 Specifications:
- 887 LED count – high bright LEDs
- Optional NVIS version
- Large sun visor
- Designed to meet IP65 requirements

- 6061 aluminum construction
- 0.56 KG — light weight
- 10.5” L x 3.25” D x 2.5”H internal light bar
EXTERNAL LIGHTBARS

LARGE NAV-BAR
Size: L17.5” x W8.0” x H4.5”

LARGE BRIGHT BAR
Size: L10.4” x W4.75” x H1/73”

INTERNAL LIGHTBARS

MEDIUM NAV-BAR
Size: L10.3” x W4.1” x H3.14”

SMALL NAV-BAR
Size: L8.0” x W3.0” x H1.5”

PILOT INDICATOR
Size: L8.47” x W1.5” x H1.5”

SMALL BRIGHT BAR
Size: L9.4” x W2.65” x H1.8”
Ag-Mission is a web-based application from Ag-Nav Inc., designed to help you manage your aerial application mission by planning and job creation of your customer’s fields so they are ready to load into your AgNav guidance system. The application can be accessed anywhere from any device where you have a web connection. You can create your daily jobs with high quality graphics and accurate mapping. The results give you accurate size, location, application rate, customers information, pilot planning, and other parameters that are needed during a mission. When loaded into the Ag-Nav guidance system you take advantage of automatic On/Off spray, automatic flow control, variable rate application, obstacle warning, if your system was equipped with these AgNav technologies.

The data is centralized so that the mission information can be shared, viewed and/or processed by your customers, pilots, product suppliers and office staff. You can have all these for **FREE**. Designed for Agnav users, the application will help you keep more of your hard-earned money in your pocket. The software will continue growing along side your business. It’s easy to register, just send us a note at general@agnav.com and mention “**FREE FLIGHT PLANNING WITH AG-MISSION**” and we do the rest.
GroundNav

The Ag-Nav™ GroundNav system is for ground applications such as backpack spraying, ground mapping, ground sprayers, area marking and more.

The system displays position and spray data on screen while doing applications on the ground. All map and spray data are recorded for application analysis or use directly in the Ag-Nav™ Guia™ Silver, Gold or Platinum systems for aerial applications.

With new environmental regulations the GroundNav system can help you record data accurately on buffer zones where guidance and data recording is required. The Navview program (FREE) will help you do an analysis of ground applications, print out reports and record keeping of sensitive areas. Using the aerial guidance system, the same polygon can be loaded into the GroundNav system to complete an application.

The GroundNav consists of a compact and powerful tablet with our easy-to-use software, along with light-weight backpack harness can be used on many agricultural applications. A wireless GPS/GLONASS receiver provides accurate position even under canopy or dense areas such as banana plantation, palm, forest, etc.

Free upgrades when available are ready to download from our web site at www.agnav.com.

Specifications

CPU: Freescale iMX6q Quad core 1.0GHz
Flash Memory: 8GB
RAM: 1GB (Optional 2GB) DDR3
Display: 9.7" LVDS, 1024 x 768
Working Temperature: 20C - 60C
Dimensions: 252 x 511 x 37 (mm)
Weight: 1340g

Interface

- Micro SD Card, SIM Card
- USB Device 2.0
- 4 x RS232 interface
- 4 x Gpio input, 6 x Gpio output
- HDMI
- Ethernet and POE interface
- Capacitive Touch Panel
Ag-Flow

Automatic Flow Control System

The AG-FLOW Automatic Flow Control System for aerial applications is designed to ensure a steady distribution of product by automatically adjusting its flow.

The AG-FLOW system consists of a flow meter and sensor, a controller box, a valve, and a DC motor to adjust the valve position. The flow rate is adjusted automatically by the valve position, thus controlling the required output. An optional manual flow meter control knob can be added to the hardware for the pilot to manually position the opening of the valve to control the flow rate in required situations. The Ag-Flow is also equipped with CAN bus technology and can be used to communicate with other navigation systems.

When used as a stand-alone system (Ag-Flow 1), the controller box comes with a state-of-the-art computer, which has a built-in GPS receiver, serial ports, and a display to show the application rate, target rate, flow rate, and data recording for application reports as well. All controls and displays are easily accessible via a keypad. The simple and easy installation process guarantees that the AG-FLOW is ready to use within a short period of time.

SPECIFICATIONS:
- Control parameters input via AG-NAV navigation system
- Unit can be used autonomously
- Flow rates range from ULV to UHV
- Adjusts to meet changes in application rates in less than 1 second
- Automatic ON and OFF spray boom
- 12 VDC to 24 VDC
- Easy maintenance
- Variable Rate Application
- Display selected information (L/Ha, GPA, L/min, GPM)
- Fully automatic ON/OFF valve (optional)
- Valve Position feedback
- Optional Stand-alone automatic flow control
- Optional pressure sensor

KEY FEATURES:
- Fits all aircrafts
- Easy to operate
- Fast and easy calibration
- No external guidance system necessary
- Adjusts flow rate in less than 1 second
P550
Precision GPS Antenna

The P550 is the most advanced Dual frequency GPS receiver used in the Aerial application industry today. Its durable 6061 Aluminum precision machined enclosure makes it extremely rugged and is completely sealed from both dust and water ingress. It is capable of tracking all current and upcoming GNSS constellations. Including GPS, GLONASS, Galileo, BeiDou, QZSS and NavIC.

The antenna is designed to meet the Federal Aviation Administration (FAA) Airworthiness certificate. The low profile antenna is housed in a water proof sealed casing, which makes it ideal for use in any location.

- **Lightweight:** only 400 grams.
- **Compatible:** with any product that requires GPS aid and accuracy.
- **Versatile:** manufactured to suit any application where GPS is required such as air, ground, and sea navigation.

**Specifications:**
- 20 Hz update rate
- Standard model - L1/L2 GPS/GLONASS/SBAS
- IP67 Enclosure
- Optional TerraStar satellite-delivered correction services
- 555 channel, all constellation multi-frequency positioning solution
- Airworthiness certificate (FAA)
- 4.6” L x 3.275” W x 1.55” H
- 10-30 VDC Input
ULTRA - STARTER 28v UNITS
The Strength Of Your Start

ULTRA - STARTER is a device developed by Enercraft to improve the engine start of aircraft or helicopters, providing clean energy and a cooler start, extending the life of the engine and being capable of operating in any weather and environmental condition.

20ah Ultra-Starter

The equipment is connected through the external power connector to the aircraft. The ULTRA - STARTER was developed in house, to offer the latest technology in energy storage, combining the best of Lithium batteries and the best of Ultracapacitors.

GPUs - Ground Power Units
The GPU Lite family are devices developed by Enercraft to allow energy supply for a long time, mainly for maintenance or operational purposes, working as a continuous service source. The equipment must be connected to the aircraft through the external power connector.

- GPU Lite 35
  28VDC 35 Amp. - 220V
- GPU Lite 70
  28VDC 70 Amp. - 220V
- GPU Lite 130
  28VDC 130 Amp. - 220V
- GPU Lite 260
  28VDC 260 Amp. - 220V
- GPU Lite 520
  28VDC 520 Amp. - 380V

20 Ah unit | 40 Ah unit
---|---
**AC Input**
Charges from Single Phase 100-260 Vac, 50/60 Hz
3 amps @ 220 Vac

**DC Output**
28.5 Vdc. Peak start: 1500 amp
570 watt hours without power ac
28.5 Vdc. Peak start: 2800 amp
1140 watt hours without power ac

**Recharging Rate**
45 minutes from full discharge @ 25°C
90 minutes from full discharge @ 25°C

**Temperature Range**
-40°C ↔ 65°C

**Dimensions**
16.9” x 12.9” x 9.3
429 mm x 328 mm x 236 mm
22.0” x 14.0” x 9.0”
559 mm x 356 mm x 229 mm

**Weight**
12 kg
22 kg
Ultra Low Volume Controller

ULV Flow Controller

Ultra-low volume controller is designed for use in applications requiring ultra-low flow rates. It provides regulation by controlling the speed of an electrical motor pump. The controller may also operate an optional 3-way valve to divert flow from the nozzles and recirculate it back into the tank outside spraying boundaries. An optional sensor can be used to monitor pressure to the nozzles.

Modes of operation

The ULV Pump can be operated in two modes—automatic and manual. In automatic mode, the flow controller automatically adjusts the diaphragm pump output to maintain the desired flow rate as your aircraft speed changes. In manual mode, the output is controlled by a potentiometer so the rate can be increased or decreased by a control knob.

Pressure sensor or switch

An optional boom pressure sensor or switch is used to monitor pressure inside the boom. It also provides data for an auto-boom function.

Specifications:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Factory-default value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min flow rate, LPM</td>
<td>0.3</td>
</tr>
<tr>
<td>Max flow rate, LPM</td>
<td>10</td>
</tr>
<tr>
<td>Rated power, W</td>
<td>144</td>
</tr>
<tr>
<td>Weight</td>
<td>6.95 LB</td>
</tr>
</tbody>
</table>

Dimensions: W 9.5” x H 3.2” x D 5”

Material: Aluminum & ABS Plastic

Voltage: 12v (24v option)
Platinum Accessories

AgView

The AgView camera when paired with the Guia Platinum system becomes a very helpful tool. View live what's below, or record video with live flight data overlay alongside your NavViewW recording software.

- **Shutter**: Rolling
- **Resolution**: H:2592, V:1944
- **Pixel size**: H:1.4 um, V: 1.4 um
- **Lens**: M12 lens (Default: HFOV 72°)
- **Interface**: USB 2.0
- **Supply voltage**: USB 2.0 +5 VDC power source (From Platinum)

- **Dimensions**: 2.75” (L), 2” (W), 2.25” (H)
- **Weight**: 0.83 LBS
- **Max. temperature**: (operation) 0 °C ~ 50 °C (32 °F ~122 °F)
- **Max. temperature**: (storage) -20 °C ~ 80 °C (-4 °F ~ 176 °F)
- **Current consumption**: Approx. 180 mA at 5 VDC

TrackerNav

The TrackerNav system is designed for air and ground vehicles, and shows real time data on a web app about your fleet. Coupled with planned routes, runs, and pickups, TrackerNav provides the answers to the following often unanswered questions:

- How much work has this vehicle done today?
- Where is the vehicle now?
- Why does one vehicle consume more fuel than other vehicles operating on similar routes?

3-Way Valve

The Ag-Nav Automatic Target Flow System is the next step of integrating today's advanced technology into the world of aerial application. The Automatic Target Flow System accurately turns on and off the spray system at the exact boundary of the desired application area, eliminating spraying outside or too far inside the area. When the Automatic Target Flow is tied together with Ag-Nav's Ag-Flow, it becomes the world's most advanced fully automatic spray control system on the market.

- Rugged 316 Stainless steel construction
- Adjustable “Suck Back” port to eliminate nozzle drippage
- Replaces standard manual spray valve
- High Speed actuator
- Compatible with the Guia Silver/Gold/Platinum
- Replaceable seals
- Automatic or Manual Operation

**How the system works**

The Target Flow provides automatic boom on/off control by opening or closing a 3-way valve to allow product to flow to the boom system or when in the OFF position the product re-circulates back to the tank. When in Automatic mode, the Boom “ON/OFF” control is triggered by a predetermined spray polygon set in either the Ag-Nav Guia Platinum, Silver, or Gold guidance system. When the Aircraft is within the desired boundary of the polygon, the target flow system will automatically turn the spray system on and off.

For more information, please check us out online!
AgFlow-G
Automatic Granular Flow Control System

The AgFlow-G Automatic Granular Flow Control System has been designed to ensure steady distribution rates by automatically adjusting the flow rate of granular materials during an aerial application. The system is designed with a unique flow controller that uses 2 built-in motors and impellers to accurately adjust the dispersing rates of granular material based on the helicopter speed and target rate. The impeller is made to prevent granules from jamming in the rotating gate while the selected clearance prevents binding at the top of the housing where it meets the hopper. With the positive displacement design, calibration is based on revolutions per minute (rpm) providing a high level of measuring precision and the ability to easily change calibrations in the field for differing material types and/or application rates.

When the AgFlow-G is used with the AgNav Guia Gold or Platinum, the calibration and real time flow data are displayed on screen for monitoring and recorded for mission analysis. When a gate is jammed by a large object, the AgFlow-G will stop the motor to prevent damage and alert the pilot to check the tank. The pilot is also alerted when the tank becomes empty. The calibration settings are saved permanently in the Guia, and can be fine tuned on the fly. When changing material in the field, the pilot needs to select the preset calibration for the new material, and the helicopter is ready to work again.

Key Features:
- Fits all helicopters with Isolair 4500 Series Broadcasters
- Easy installation and maintenance
- Overcurrent, overloaded system protection
- Motor jammed and tank empty detection
- Easy pre-flight calibrations for all granules
- Fine-tuned calibration on-the-fly
- Flow data display and record for monitoring and analysis

Specifications

Dispenser:
- Derlin plastic housing
- Nitrile rubber impeller with stainless steel shaft
- Sealed ball bearings
- Brush DC motor with high resolution RPM encoder
  - Voltage: 12 – 28 Volts
  - Max Current: 10 Amps
  - Dimension: 7.87”L x 7.0”W x 3.9”H (20L x 18W x 10H cm)
  - Weight: 10.5 lbs (4.75 kg)

CPU:
- Aluminum housing
- Rugged IP67 connector (MIL-DTL 26482)
  - Voltage: 12 – 28 Volts
  - Max Current: 10 Amps
  - Dimension: 4.72”L x 3.15”W x 1.5”H (12L x 8W x 2.8H cm)
  - Weight: 0.75 lbs (0.34 kg)
AgFlow G1
Automatic Granular Flow Control

The all new Ag-Nav standalone flow controller is a solution for efficient and accurate aerial application of granular products.

The system is designed with a unique flow controller that uses 2 built-in motors and impellers to accurately adjust the dispersing rates of granular material based on the helicopter speed and target rate. The impeller is designed to prevent granules from jamming in the tank gate. With the positive displacement design, calibration is based on revolutions per minute (rpm) providing a high level of measuring precision and the ability to easily change calibrations in the field for differing material types and/or application rates.

Calibration and real time flow data are displayed on screen for monitoring and recorded for mission analysis. When a gate is jammed by a large object, the AgFlow G1 will stop the motor to prevent damage and alert the pilot to check the tank. The pilot is also alerted when the tank becomes empty. The calibration settings are saved permanently in the system or USB key and can be fine tuned on the fly. When changing material in the field, the pilot needs to select the preset calibration for the new material and the helicopter is ready to work again.

The lightweight and compact console monitors activity and data from the external spread system and internal GPS/GLONASS engine. The data is logged on a USB key and can be viewed on NavViewW or SprayView software. The system is entirely standalone and requires no compatible or adaptable guidance system to operate or control its abilities. Limited components are required to ensure a quick and easy installation.

As always, when you buy an Ag-Nav product, you get 24/7, 365 days a year technical support by phone, email or through the built in on-line remote assistance.

Specifications:

Dispenser:
- Derlin plastic housing
- Nitrile rubber impeller with stainless steel shaft
- Sealed ball bearings
- Brush DC motor with high resolution RPM encoder
- Voltage: 12 – 28 VDC
- Dimension: 7.87” x 7.0” x 3.9” (20 x 18 x 10 cm)
- Weight: 10.5 lbs (4.75 kg)

CPU:
- Aluminum housing
- Rugged IP67 connector (MIL-DTL 26482)
- Voltage: 12 – 28 VDC
- Max Current: 10 Amps
- Dimension: 4.72”Lx 3.15” x 1.5” (12 x 8 x 2.8 cm)
- Weight: 0.75 lbs (0.34 kg)

Console:
- Control parameters input via the touch screen interface
- Unit can be used autonomously
- Flow rates range from ULV to UHV
- Adjusts to meet changes in dispersing rates in less than 1 second
- Easy installation, calibration and maintenance
- Easily view all information on a 4.3” touch screen

WWW.AGNAV.COM
AgFlow
Flow Control System

The AG-FLOW Automatic Flow Control System for aerial applications is designed to ensure a steady distribution of product by automatically adjusting its flow.

The AG-FLOW system consists of a flow meter or sensor, a controller box, a valve, and a DC motor to adjust the valve position. The flow rate is adjusted automatically by the valve position, thus controlling the required output. The AG-FLOW is also equipped with CAN bus technology and can be used to communicate with other navigation systems.

When used as a stand-alone system, the controller box comes with a state-of-the-art computer, which has a built-in GPS receiver, serial ports, and a display to show the application rate, target rate, and flow rate. All controls and displays are easily accessible via a keypad. The simple and easy installation process guarantees that the AG-FLOW is ready to use within a short period of time.

On/Off Target Flow
Precision Flow Control

The Automatic Target ON/OFF (ATOO) system is the next step in the process of integrating today’s advanced technology with the world of aerial application. The ATOO system allows for worry-free automatic product dispersant control. When the ATOO system is used together with AG-NAV’s AG-FLOW, it becomes the world’s most advanced fully automatic spray control system available on the market.

AgFlow1
Standalone Flow Control System

The Ag-Flow1 Automatic Flow Control System with touch screen technology is designed to ensure steady distribution rates by automatically adjusting its flow with its own built-in navigation system. The Ag-Flow1 is equipped with a durable, stainless steel valve controlled by a DC motor to accurately adjust position according to desired flow rate.

The lightweight and compact console monitors activity and data from the external spray system and internal GPS/GLONASS engine. A continuous string of information is displayed on the 4.3” touch screen.

The data is logged on a USB or Memory card and can be viewed on Nav or SprayView software.

This system is entirely stand-alone and requires no compatible or adaptable guidance system to operate or control its abilities. Limited components are required to ensure a quick and easy installation.

KEY FEATURES:
• Super bright 6.5” backlit screen
• Obstacle and power line warnings
• Compatible with flow and gate control devices

HOW THE SYSTEM WORKS:
The ATOO provides automatic boom on/off control by either opening or closing the 3-way valve to allow product to flow to the boom system or to allow the product to re-circulate back to the tank. The Boom “ON/OFF” control is triggered by a predetermined mapped area or polygon set in either the AG-NAV Guia or Guia Platinum navigation system. The ATOO can also be operated manually, by using a panel mounted toggle switch.

SPECIFICATIONS:
Control parameters input via the touch screen interface
Unit can be used autonomously
Flow rates range from ULV to UHV
Adjusts changes in application rates in less than 1 second
Automatic ON and OFF spray boom
12 VDC to 24 VDC
FLIGHTMASTER PLATINUM

The FlightMaster™ is an Aerial Application Guidance System for Wind Offset designed to meet specific requirements in Mosquito Control and other applications where wind plays a major factor.

The on-board Meteorological Data Probe provides real-time information on wind speed, wind direction, relative humidity, temperature and barometric pressure.

This data is updated every second and shown on the Moving Map Display during navigation. The FlightMaster™ provides the pilot with swath, directional guidance, plus other navigational information required to carry out precise aerial applications.

The complete FlightMaster™ system consists of a compact, intelligent Moving Map Display with keypad, an on-board weather station, a GPS Engine with a lightbar to suit the application and type of aircraft. These are all the tools needed to start your application whenever wind is a factor!

As always, when you buy an Ag-Nay product, you get 24/7, 365 days a year technical support by phone, email or through the built-in on-line remote assistance.

KEY FEATURES:

EASY - Super bright 8.4” touch screen guidance and input
SAFE - Obstacle and power line warnings
ACCURATE - Turns spray on and off automatically
EFFECTIVE - Compatible with flow and gate control devices
CONNECTED - Built in Wi-Fi, 3G and Bluetooth

SPECIFICATIONS:

Main CPU: Intel i7 Dual core with Turbo 2.8 GHZ
RAM: 8 GB Industrial Temp RAM
Hard Drive: 8 GB (upgradeable to 64 GB)
Serial Communication: 4 x RS232, 1 x RS232/485, 1 CAN port
USB: 2 x High-speed USB 2.0 ports
Wi-Fi: (IEEE 802.11b/g/n), 2G/3G (quad band)
Bluetooth: 2.1 + EDR
Audio: Line output, Mic input
Power: 12-30 VDC (fail-safe protected)
Video: Sunlight readable 8.4” SVGA 1200 LCD
Night Vision: NVIS mode (optional)
Screen: Resistive touch panel with haptic feedback, VGA output
I/O’s: 5 boom-switches, 1 camera trigger, 1 relay, 5 remoteswitches, 2 extra remote switches, 2 counters, 1 variable reluctance (VR) sensor, 2 analog sensor inputs (pressure, radar, etc)
Mechanical Dimensions: 220 mm x 175 mm x 55 mm
8.7 in x 6.9 in x 2.2 in
Material: Industrial Aluminum Alloy
Mounting Options: Flush, Chassis, or Adjustable RAM mount brackets

WWW.AGNAV.COM
PLATINUM LiNAV
Precision Navigation System

The LiNav is a DGPS navigation system designed to meet the specific requirements for general aerial survey. The system provides the pilot with swath, real-time 3-D navigation required to carry out precise aerial applications.

The LiNav consists of a compact, intelligent Moving Map Display with keypad, a choice of AG-NAV's light bars (steering indicators) to suit the application and type of aircraft, and a stand-alone DGPS receiver system.

LiNav uses the popular PNAV software with customized data output that has proven user-friendly and successful in general survey application.

This touch screen console features a Linux-based operating system, with no hidden license fees, no need for anti-virus software and no need for regular service pack updates. It's a single unit with no extra components adding weight or taking up valuable space in your aircraft. The sealed avionics-grade aluminum enclosure is reliable even in harsh environmental conditions.

As always, when you buy an Ag-Nav product, you get 24/7, 365 days a year technical support by phone, email or through the built-in on-line remote assistance.

KEY FEATURES:
EASY • Super bright 8.4" touch screen guidance and input
SAFE • Obstacle and power line warnings
ACCURATE • Turns spray on and off automatically
EFFECTIVE • Compatible with flow and gate control devices
CONNECTED • Built in Wi-Fi, 3G and Bluetooth

SPECIFICATIONS:
Main CPU: Intel I7 Dual core with Turbo 2.8 GHZ
RAM: 8 GB Industrial Temp RAM
Hard Drive: 8 GB (upgradeable to 64 GB)
Serial Communication: 4 x RS232, 1 x RS232/485, 1 CAN port
USB: 2 x High-speed USB 2.0 ports
Wi-Fi: (IEEE 802.11b/g/n), 2G/3G (quad band)
Bluetooth: 2.1 + EDR
Audio: Line output, Mic input
Power: 12-30 VDC (fail-safe protected)
Video: Sunlight readable 8.4" SVGA 1200 LCD
Night Vision: NVIS mode (optional)
Screen: Resistive touch panel with haptic feedback, VGA output
I/O’s: 5 boom-switches, 1 camera trigger, 1 relay, 5 remote switches, 2 extra remote switches, 2 counters, 1 variable reluctance (VR) sensor, 2 analog sensor inputs (pressure, radar, etc)
Mechanical Dimensions: 220 mm x 175 mm x 55 mm
8.7 in x 6.9 in x 2.2 in
Material: Industrial Aluminum Alloy
Mounting Options: Flush, Chassis, or Adjustable RAM mount brackets
30 Churchill Dr. Barrie, Ontario L4N 8Z5
E: general@agnav.com
P: 1 (800) 99-AGNAV
F: 705 734-0880
WWW.AGNAV.COM
TrackerNav
Precision Navigation System

The TrackerNav system is an advanced Automated Vehicle Location System (AVL) designed with fleet management in mind. Utilizing GPS technology and existing cellular networks provides for a robust, scalable system with no up-front telemetry costs.

TrackerNav consists of an in-vehicle 12 channel GPS receiver coupled with a GSM/GPRS cellular modem. Combined with TrackerNav software on your PC, TrackerNav puts you in control of your data. Data is kept on your computer network. Other AVL systems store data off-site which can lead to costly monthly data hosting fees.

When deployed as part of a fleet management system, TrackerNav delivers accurate real-time information enabling route planners to compare where the vehicle should be and where the vehicle actually is.

Knowing where your vehicles are and what is happening in the field can reduce response times when there is an incident. Accidents, breakdowns, delays, and absent drivers can be dealt with faster when staff have an accurate picture of what is happening and are able to make adjustments in real-time. Real-time data results in fewer delays, better deployment of contingency resources and ultimately, better service to your customers.

TrackerNav shows what the fleet actually did versus what the fleet was supposed to do. Coupled with planned routes, runs, and pickups, TrackerNav provides the answers to the following often unanswered questions:

- Why is a vehicle often late?
- Where is the vehicle now?
- Why does one vehicle consume more fuel than other vehicles operating on similar routes?

**SPECIFICATIONS:**
Dimensions: 16.5 cm x 9.5 cm x 3.9 cm
Weight: 0.38 kg
GPS Receiver: 12 channel
GPS Antenna: Active stub or roof mount
Update Rate: 1 Hz
Accuracy: 1–15 meters (average)
Datum: WGS-84
Power Supply: 9-30V DC
Power Consumption: 80 mA @ 12V (standby mode)
20 mA @ 12V (sleep mode)

Operating Temp: -25 °C to 50 °C (32 °F to 120 °F)
Storage Temp: -40 °C to 70 °C (-5 °F to 155 °F)
Built In Memory: 2 MB flash memory
Input Ports: 2 digital inputs (positive triggered) 6 digital inputs (negative triggered) 2 analog inputs (0 – 30 V DC)
Output Ports: 3 digital outputs (positive trigger, max 300 mA, 12 V DC) 4 digital outputs (negative trigger, max 300 mA, 12 V DC) 1 digital output (negative trigger, max 10 A 12 V DC)
Serial Ports: 1 – DB9 male connector, RS-232 (configurable parameters) 1 – RJ-59 Connector (configurable parameters)
TraxNav
Precision Navigation System

TRAX-NAV is the latest precision navigation instrument from AG-NAV. This system was designed for all types of aerial applications where DGPS sub-meter accuracy is required. TRAX-NAV is ideal for applications such as wildlife tracking and bait/ trap setting.

TRAX-NAV displays precise navigational information to the pilot on an easy-to-read lightbar. TRAX-NAV displays and records flight path, drop locations and area boundaries on a compact Moving Map Display. This system also uses accurate positioning information from a DGPS receiver engine. The entire TRAX-NAV system is compact and lightweight, easily fitting into a carry-on flight bag.

TRAX-NAV allows drop area boundaries and locations to be pre-defined using a keyboard. The system can be used to navigate along grid-lines or record random drop locations. All flight path and drop location information is digitally recorded internally for recording, printing and verification purposes.

TRAX-NAV displays guidance information to the pilot on an internally or externally mounted light bar. Red and green LEDs are used to notify the Drop Master whether the aircraft is inside or outside a defined drop boundary.

Ask about the P-500 GPS Engine by AG-NAV for information regarding signals and accuracy.

SPECIFICATIONS:
Main
CPU: Intel Atom 1.6 GHZ
SATA Hard Drive: Flash 2 GB to 32 GB
RAM: 1GB
LCD Screen: 6.5” Full colour, sunlight readable, LED backlit
Communication
Serial: 4 x RS232 serial ports
USB (2.0): 2 x USB ports
Keypad: Electrometric tactile keypad, 6 soft keys for program
navigation, 3 control keys: on/off, brightness, up/down

Other: Remote Boom Switch
Mechanical
Dimensions: 179 mm (W) x 134 mm (L) x 38.455 mm (H)
Material: Aluminum Alloy
Mount: Chassis mount bracket
Adjustable Ram Mount
Enclosure: Dust proof and splash proof
Weight: 1.5 kg
Power
Input Voltage: 10-30 VDC (Reverse Polarity Protected)
Operating Temp: 14 °F to 149 °F (-10 °C to +65 °C)
We not only put emphasis on making high quality hardware, we take pride in developing highly reliable software. AG-NAV has developed two of the most easy to use Geographical Information System (GIS) software programs available to help with your mapping needs. NavViewW is a GIS software package that helps you create and save basic data processing functions for your next job. This free tool allows you to:

- Create flight maps
- Manage your flight data to track flights
- Print out reports
- Analyze Data
- Create custom reports using data
- Create custom graphs using data
- View all season flights in one screen
- Move data across platforms without having the fear of losing your data.

SprayViewW Precision GIS Software

Take your operation to the next level with AG-NAV’s advanced GIS SprayViewW software. It can do all the same functions as the NavViewW software; however is more powerful with features that can prove beneficial to you in the long run. SprayViewW software helps you create a report using a background map and the selected data you want to use to create a spray area. You can also replay project data saved in a Shape file from your navigation system.

The SprayViewW software allows you to copy, delete, and move the data easily onto a USB stick from your navigation system to your desktop, laptop computer or vice-versa. The software allows you to convert this data into different files including text files, dbf files viewable in Excel, data tables, as well as Shape and DXF files. The greatest benefit about this software is its ability to interface with Google Earth at a touch of a button.

With an internet connection, SprayViewW allows you to effortlessly convert your flight data into KML files for an accurate view of your operation on Google Earth. You can also convert KML files used in Google Earth to create spray areas, towers, and way points. SprayViewW allows you to download maps from Google Earth and digitize them to make spray areas. This feature saves you money without having to waste resources by doing it manually. You can also create exclusion zones directly onto your digitized map by drawing them out using the SprayViewW software. The Google Earth topographical map you work with in your office is saved in your laptop for further work on the field without the need to be connected to your internet browser.

Your investment in this software will pay itself back after one or two jobs because there is no need to mark fields prior to the job in order to make accurate spray areas. There is no need to enter coordinates manually because you can do this in office. This not only saves you money, but time as well. By being able to show flight data in KML format, anyone will be able view the data on Google Earth images. This feature is ideal for high quality images used in presentations. If you are using AG-NAV’s wireless data transfer technology the AG-NAV Connect, you can convert KML files into spray areas and/or projects and send the output files directly to your navigation systems wirelessly.

Analyze your work by replaying the project data for a post-operation review. You can create an in-depth post-operation report using any one of the files mentioned above to keep accurate information of the work you have done. You can select the data you would like to display on the reports making them easy to read for future reference.

The SprayViewW software comes with a one-time license fee. There is no annual subscription fee, and this license allows you access to free updates for life! You will also have access to free lifetime support regarding any questions you may have about the SprayViewW software. We are always looking to add new features to increase the functionality of our software. We take your ideas, suggestions and inputs seriously, let us know and it might be a part of your next SprayView update.
PHOTONAV
Precision Guidance System

The Photo-Nav is a system designed specifically to provide real-time aerial navigation for photogrammetry applications. The Photo-Nav software consists of two programs: NAVTRAIN and NAVIGATE.

The NAVTRAIN program is provided to familiarize personnel with the program operations, set up areas for grids, generate camera trigger points, print-out graphic screens, etc. No real-time operations are carried out, positions are generated internally and the keyboard arrows are used to move around the screen. The NAVIGATE software is the real-time program allowing carrying out operations in four basic modes:

MAP MODE: is generally used to view the area and grid lines.

GRID MODE: is used to fly areas with pre-defined grid of parallel lines. The maximum number of grid lines is 500.

LINE MODE: is used when flying in any direction (following roads, rivers, power lines etc.). A maximum of 100 lines can be defined.

WAYPOINTS MODE: Any position to which the user may wish to fly (airport, notable features, start of the survey area, etc.). Each waypoint is defined by coordinates and a name. The maximum number of waypoints is 100.

The survey area can be generated by digitizing the required points from a map or by typing in area corner crosses, or on the fly, by pressing a key when over each area corner. The program operates internally in an extended UTM zone. The camera trigger points are pre-defined and stored. When the aircraft approaches a camera trigger point within the camera trigger pre-set radius, the camera is automatically triggered when closest to the camera trigger point. The coordinates of the trigger point, triggered time and camera point number are recorded to disk, and the trigger point number is displayed on the screen. The user can also trigger the camera manually.

SPECIFICATIONS:

CPU: Intel Atom 1.6 GHZ
SATA Hard Drive: Flash 2 GB to 32 GB
RAM: 1 GB
LCD Screen: 6.5” Full colour, sunlight readable, LED backlit
Serial: 4 x RS232 serial ports
USB (2.0): 2 x USB ports
Keypad: Electrometric tactile keypad, 6 soft keys for program navigation, 3 control keys: on/off, brightness, up/down
Other: Remote Boom Switch
Dimensions: 179 mm (W) x 134 mm (L) x 38.455 mm (H)

Material: Aluminum Alloy
Mount: Chassis mount bracket, Adjustable Ram Mount
Enclosure: Dust proof and splash proof
Weight: 1.5 kg
Input voltage: 10-30 VDC (Reverse Polarity Protected)
Operating Temp: 14 °F to 149 °F (-10 °C to +65 °C)
FIRENAV
Precision Navigation System

The FireNav is a real-time navigation package. The FireNav system was developed to apply GPS technology to enhance the air attack on forest fires.

With accurate GPS data, FireNav is an active tracking and guidance system for aircrafts involved in firefighting. Each pilot is able to constantly monitor the positions of all other aircraft involved in the operation, the location of the target, and the area where previous drops have been made. The pilot is given real-time guidance to the target as well as a countdown time indication when he reaches the target to get him ready to drop the retardant/water at the desired location.

The user-friendly FireNav software allows the bird dog to mark a target line, which is able to be seen on all other aircraft within the modem range. The software and hardware combination allows for other safety features, some examples being aircraft proximity within a predetermined distance, warning for aircraft proximity, and view of other aircraft in real-time.

All aircrafts involved are viewed on the Moving Map Display in real time with great accuracy. The FireNav lets you record all the data and navigation information for post-analysis. The data can be used for training personnel; therefore preventing mistakes that have or could happen while in a mission.

FireNav DGPS technology improves application time, accuracy and safety by using state-of-the-art software. It also allows for the software to be used with other systems such as a laptop computer.

KEY FEATURES:
• Super bright 6.5” backlit screen
• Obstacle and power line warnings
• Compatible with flow and gate control devices

SPECIFICATIONS:
CPU: Intel Atom 1.6 GHZ
SATA Hard Drive: Flash 2 GB to 32 GB
RAM: 1GB
LCD Screen: 6.5” Full colour, sunlight readable, LED backlit
Serial Communication: 4 x RS232 serial ports
USB (2.0): 2 x USB ports
Keypad: Electrometric tactile keypad, 6 soft keys for program navigation, 3 control keys: on/off, brightness, up/down
Other: Remote Boom Switch

Dimensions: 179 mm (W) x 134 mm (L) x 38.455 mm (H)
Material: Aluminum Alloy
Mount: Chassis mount bracket, Adjustable Ram Mount
Enclosure: Dust proof and splash proof
Weight: 1.5 kg
Input Voltage: 10-30 VDC (Reverse Polarity Protected)
Operating Temp: 14 °F to 149 °F (-10 °C to +65 °C)
Ag Laser
Laser Height Measuring Device

The Ag Laser is the perfect tool to measure your aircraft height. When you combine the Ag Laser with the AG-NAV Guia, you get unparalleled Precision Navigation.

The Ag Laser measures the distance from the aircraft to the surface in real time by calculating the time it takes for a short pulse of infrared light to get to the surface and back. This information is then relayed to the AG-NAV Guia and it used as a visual aid for the pilot.

The Ag Laser has a range of up to 150m (500ft) and can be configured to output range or make speed calculations such as rate of descent. This height sensor can be used for various applications such as crop spraying, forest management, and fire fighting applications.

The AG-NAV Guia allows the user to set the offset height for their aircraft. The optimum height is programmed into the Ag Laser and a tolerance set. The AG-NAV Guia gives you the current aircraft height as well as an indication if you are above or below your “ideal” spraying zone.

KEY FEATURES:
- Super rugged design, built to last
- Compact and light design
- Useful in multiple applications

SPECIFICATIONS:
Wavelength: 905 nm
Beam Divergence: 2.5 x 0.2 mRad
Reflectorless Range: 0.5 to 150 m/2 to 500 ft
Max range: 150 m/492 ft
Accuracy: 5 cm
Resolution: 1 cm
Rep rate: 9-to-1000 Hz
Eye safety: Class 1
Power: 9 to 24 V

Protocol: RS232
Operating Temp: -10°C to +60°C
Protection Class: IP67
Physical Construction: Anodized Aluminum
Dimensions: 108 mm x 64 mm x 41 mm/
4.25 in x 2.5 in x 1.625 in
Weight: 328 g/9.2 oz
AgFlow1
Standalone Flow Control System

The Ag-Flow1 Automatic Flow Control System with touch screen technology is designed to ensure steady distribution rates by automatically adjusting its flow with its own built-in navigation system. The Ag-Flow1 is equipped with a durable, stainless steel valve controlled by a DC motor to accurately adjust position according to desired flow rate.

The lightweight and compact console monitors activity and data from the external spray system and internal GPS/GLONASS engine. A continuous string of information is displayed on the 4.3” touch screen.

The data is logged on a USB or Memory card and can be viewed on Nav or SprayView software.

This system is entirely stand-alone and requires no compatible or adaptable guidance system to operate or control its abilities. Limited components are required to ensure a quick and easy installation.

As always, when you buy an Ag-Nav product, you get 24/7, 365 days a year technical support by phone, email or through the built-in on-line remote assistance.

KEY FEATURES:
• Fits all aircrafts
• Easy to operate
• Fast and easy calibration
• Super bright 4.3” touch screen guidance
• No external guidance system necessary
• Fully stand-alone automatic flow control
• Adjusts flow rate in less than 1 second

SPECIFICATIONS:
Control parameters input via the touch screen interface
Unit can be used autonomously
Flow rates range from ULV to UHV
Adjusts to meet changes in application rates in less than 1 second
Automatic ON and OFF spray boom
12 VDC to 24 VDC
Easy installation, calibration and maintenance
Variable Rate Application
Easily view all information on the large 4.3” touch screen