



1x 4.8

AUTOPILOTS

**CONTROL SYSTEM FOR
AUTONOMOUS VEHICLES**

Fully autonomous control for UAVs, UGVs, USVs and triplulated eVTOLs.

High reliability and certification in compliance with DO178-C, DO254 and DO160-G aviation standards up to DAL B.

HIGH RELIABILITY CONTROL SYSTEM



**USER
PROGRAMMABLE**

Model-based design tools enable custom programs and control logics.



CERTIFICATION

Aircraft certification: DO178-C, DO254, DO160-G, ESS, ATR, STANAG, etc.



**SENSE
& AVOID**

Embedded ADS-B or Remote ID and support for external detection means.



DISTRIBUTOR

Northwest UAV

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**VERONTE
AUTOPILOTS**

MAIN FEATURES

All Vehicles	Plane Multi Heli Autogiro VTOL USV +
100% Autonomous	Mission & payload Assisted / manual / auto
Advanced Control	Adaptative Curve-based Fly-by-camera
Sense & Avoid	Radar Lidar Camera ADS-B Remote ID
All-in-one Box	Sensors FTS Comms ADS-B or Remote ID
Internal Sensors	3x IMU 3x Magneto 2x Barometer 1x Pitot
Positioning	2x GNSS RTK GNSS Heading

USER PROGRAMMABLE

Programs	Model based design Customization PID level
Phases	Takeoff Landing Cruise Hover Transition +
Automations	Failsafe Phase change Operation Payload
Navigation	Sensor mix Kalman filter External sensors
Pheripherals	Gimbal ADS-B Altimeter Cameras Others
Compatibility	Custom protocols Mission computer

I/O

Ports	16x PWM/GPIO 5x ADC
Buses	2xCAN 1xI2C 1xRS232 1xRS485 1xUART
Expandible	Veronte CEX Up to 32 actuators

COMMUNICATIONS

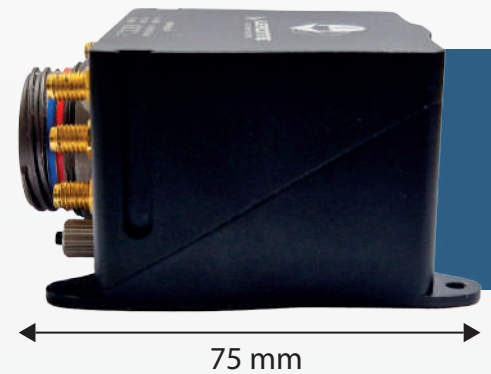
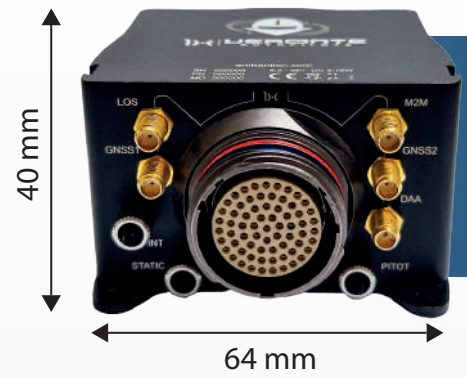
Internal LOS	2.4Ghz 100mW Configuration Tuning
Internal BLOS	LTE Cloud communications Worldwide
External	LOS Satcom 4G/5G

SAFETY & CERTIFICATION

Certification Ready	DO178C DO254 DAL-B DO160
Failsafe	Dissimilar supervisor FTS
Protections	ESD, Overtemperature, Short Circuit, RP
Robust Manuf.	ATR, DDP & DoD ESS & Calibration in all units

GENERAL

Power Input	6.5 - 36VDC Redundant power input
Power	5 - 15W
Temperature range	-40 to 60°C
Weight	198g 210g including ADS-B/Remote ID



[P006982] Veronte Autopilot 1x - w/o DAA V4.8
 [P006142] Veronte Autopilot 1x - Remote ID V4.8

[P006143] Veronte Autopilot 1x - ADS-B V4.8
 [P006365] Veronte Autopilot 1x - Target/Loitering V4.8