



PCS 2.1

CONTROL STATIONS

RTK & COMMS FOR AUTONOMOUS VEHICLES

Rugged control station for advanced control of autonomous vehicles.

Enables RTK, differential GNSS, relative missions, landing on moving platforms and tracking antenna control.

LONG RANGE COMMUNICATIONS



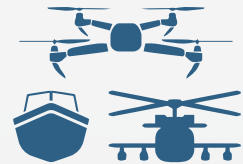
EMBEDDED DATALINK

Customizable datalink to meet frequency and range needs of the operation.



BACKUP BATTERY

The internal battery enables 2h operation ensuring operation on a power cut.



ANY AUTONOMOUS VEHICLE

Designed for autonomous vehicles operating in air, land or sea environments.



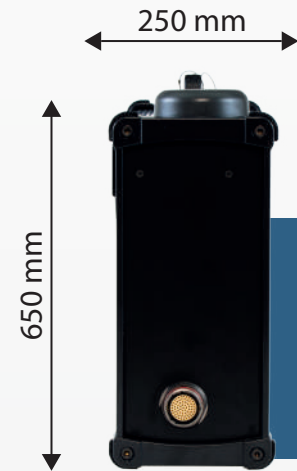
MAIN FEATURES

Control Station	Long range LOS Joystic interface
Any Vehicle	UAVs UGVs USVs Autonomous vehicles
Installation	Mast Table top Wall Van
Embeeded Sensors	RTK IMU Barometer QNH
GCS Computer	Laptop Tablet PC
GCS Interface	WIFI Ethernet USB
Pheripheral I/O	CAN PWM PPM ADCs I2C
RF Connectors	WIFI LOS GNSS Aux
Datalink Extension	Veronte Tracking System T28



CONFIGURABLE

Expansion Bay	Custom datalink & electronics installation
Datalink Options	Embention DTC Silvus Microhard Others
Frequencies	400Mhz 900MHz 2.4GHz Others
Expansion Bay I/O	RS232 CAN bus Ethernet GPIO Power
Expansion Bay size	122mm x 213mm x 93mm



SENSORS

GNSS 1	Integrated antenna 40dB gain
GNSS 2	SMA female connector
IMU	3x IMU
Magnetometer	3x Magnetometer
Barometer	2x Barometer

ROBUST CONSTRUCTION

PCS Material	Anodized aluminium enclosure Plastic frames
Waterproof	IP54
Temperature Range	-20 to 60°C
Mast	Steel 150 - 310 cm 124 cm (folded)
Weight	4.5Kg PCS unit 5.7Kg mast
Transport Case	Rugged hard plastic Wheeled

POWER

Power Input	14 to 24V DC
Power Supply	280W 180-264 VAC 50-60 Hz
Backup Battery	LiFePO4 10 Ah 2h (typical)
Magnetometer	3x Magnetometer
Power	30W (w/o radio) Up to 80W (with radio)



[P006149] Veronte Control Stations: PCS 2.1
*Ask for datalink options