

VERONTE GIM3

GENERAL DESCRIPTION

Veronte GIM3 is a PWM, CAN or I2C-controlled ESC for critical actuator control. With built-in control mechanisms it tracks motor position by reading encoders.

It can be configured for receiving position or speed commands. Embedded PID control algorithms manages motor position as an absolute value or relative to a gyroscope.



APPLICATIONS



Precise Steering



Payload Control



Wiring Optimisation



Gimbal Control



Large Aircrafts



High Speed UAVs

MAIN FEATURES



Compact Design



Lightweight



Low Energy



Very Quick Reaction



Support for Encoders



Gyro-stabilisation



SPECIFICATIONS & HIGHLIGHTS

Features	Description
Power Input	6–36V DC
Power to Motor	Voltage: same as input. 3-phase brushless interface
Maximum Input Current	3A
Typical Input Current	1.5A
Communications Buses	1x CAN and 1x I2C
Input / Output	4x GPIO (on/off), 2x PWM / ECAP
Supported Encoders	SPI Differential, SPI, Digital (ECAP and EQEP)
Control Algorithm	Proportional Integral Derivative
PID Gains	Configurable
Auxiliary Power Outputs	1x 5V DC. 1x 3.3V DC
Embedded Sensors	Input voltage & board temperature
Dimensions	60x25x15 mm
Weight	10g
Redundant Isolated CAN Expansion	2x CAN for critical actuators – two wire each; no power wires required – (Optional)

DIMENSIONAL DRAWING

