VC-129
RADIO RECEIVER

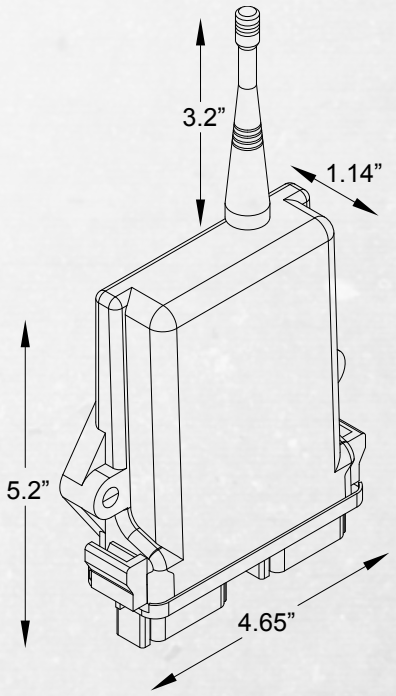
Our VC-129 receiver is the go-to wireless reciever platform in our lineup for systems that need multi-current-regulated proportional control. It's loaded down with I/O count and options, and can run any of our radios at any frequency. It's a processing powerhouse for demanding applications with its high-powered ARM processor, and up to 22 pins available for I/O and data. It's able to accept and provide almost any signal type common in the mobile industry. In addition, it's got RS-232, and dual CAN available (normally via SAE-J1939). We handle all of this in a module that's only 5"x4", highly environmentally hardened, fully solid-state, and 100% US-made (down to the board level) in our facility.

PHYSICAL

Weight	0.7 lb.	**Ingress Protection**	IP66
Operating Temperature	-40° to +85° C	**Housing Material**	High temperature nylon
Storage Temperature	-55° to +85° C	**Certification**	FCC, IC, C-Tick, others on request

I/O:

Protocols	Serial: RS-232, CANbus (2x): SAE-J1939, RF: 900MHz FHSS or 2.4GHZ DSSS	
Supply Voltage	12V/24V nominal (9V – 30VDC)	
Analog Inputs	20 Maximum, 0-32VDC (other ranges available), 12-bit resolution with on -board 5V Reference supply available for sensors. Inputs are protected from overvoltage & transient spikes.	
Digital Inputs	20 Maximum	12/24V nominal input range with protection for overvoltage/transient spike
Frequency Inputs	2 Maximum	
Quadrature Inputs	1 Maximum	
PWM Outputs	12 Maximum, 5A max, sourcing	
Digital Outputs	20 Maximum	
Variable Voltage Outputs	12 Maximum, 0-30V (other ranges available)	



***These are maximums only. Using all the inputs or outputs of one type may limit other I/O. Please contact us for no-charge application support.**

WIRELESS:

Frequency	900MHz FHSS, 2.4GHz DSSS. With powers up to 100mW
Operating Range	300ft, 1000ft, or Half Mile (nominal)