

VC-134

RADIO RECEIVER

The VC-134 is our most widely deployed receiver over the past couple years. It's overpowered for our industry - running on an ARM processor with tons of horsepower. It's highly I/O dense, packing up to 24 outputs in a tiny package, and then urethane potted for severe duty use - vibration and weather are no longer issues. Of the 24 outputs, one is available as current-regulated PWM, many can be PWM without feedback, and we can configure in analog and digital inputs as well. RS-232 is on board, as is CAN (typically via SAE-J1939). External connections are made via jacketed cable.



PHYSICAL

Weight	1.0 lb.	Ingress Protection	IP67
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: SAE-J1939, RF: 900MHz FHSS or 2.4GHZ DSSS		
Supply Voltage	12V/24V nominal (9V – 30VDC)		
Analog Inputs	4 Maximum, 0-supply voltage (12/24VDC), 12-bit resolution with on-board +5VDC regulated analog reference for sensors. Inputs are protected for overvoltage/transient spikes		
Digital Inputs	4 Maximum	12/24V nominal input range with protection for overvoltage/transient spike	
Frequency Inputs	None		
Quadrature Inputs	None		
PWM Outputs	18 Maximum (1 current regulated, 17 non-current regulated) 5A max, sourcing		
Digital Outputs	24 Maximum		
Variable Voltage Outputs	19 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)

