

VBOX III vs VBOX3i



VBOX 3i is the new and improved 100Hz Data Logger replacing the successful VBOX III. Retaining all the functionality of VBOX III, VBOX 3i features improved latency, seamless IMU integration, more precise brake stop accuracy, USB and Bluetooth interfaces, and an audio interface for voice tagging.

The core processor has been updated from 166MHz to 400MHz with a floating-point maths co-processor capable of over 760 million instructions per second. This allows the option of real-time inertial integration when combined with the Racelogic IMU.

As with VBOX III, the logged data on VBOX 3i is stored directly onto a compact flash card for easy transfer to a PC. When used with a DGPS BaseStation, VBOX 3i is capable of achieving 40cm positional accuracy. 2cm CEP positional accuracy is also possible with the VBOX 3i RTK Basestation option.

VBOX 3i is compatible with all existing peripherals including the OLED Display, Multifunction display, ADC03, TC8, FIM02, IMU, and Yaw Rate sensor.



VBOX III



VBOX 3i

VBOX III	VBOX 3i
Latency	
12.5ms	6.75ms
Brake Stop Accuracy	
±5cm	± 1.8cm
Interfaces	
2 x CAN	2 x CAN
1 x RS232	1 x RS232
	1 x USB
	1 x Bluetooth
	Audio Voice Tagging
IMU Data Integration	
No	Yes – data from an external IMU can be used to provide corrections to noisy GPS data
Power	
6-30VDC, 10.6W max	6-30VDC, 6W max
Physical	
170mm x 121mm x 41mm	170mm x 121mm x 41mm
900g	800g