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Detailed Technical Specifications for Video VBOX Pro and VBOX Touch:

• **Video VBOX Pro – 1 no**

Video VBOX Pro combines a powerful GPS data logger with a high-quality multi-camera video recorder and real-time graphics engine.

Features	Specifications
Data logger	Built in 10Hz/ 20Hz GPS
Inputs	4 camera inputs with configurable picture in picture
Cameras	580L and 420L Bullet Cameras 4x Camera Inputs -Integrated 12 V power. Picture-in-picture automatically selected when additional camera is detected.
Channels	8 CAN channels (upgrade for 32 channels should be available)
Data Logging	USB / SD Card logging and USB 2.0 interface
Audio Recording	Stereo Audio recording
Encoding	MPEG4 encoding – approx. 2GB per hour DVD quality, PAL, or NTSC format
Data Analysis	Customisable real-time graphics, including gauges, bar graphs, circuit plots, lap times, and text
Enclosure	Robust, light aluminium enclosure with internal battery keeps logging even when power lost for up to 10 s
Compatibility	Compatible with Racelogic input modules to log RPM and analogue inputs even in vehicles without CAN
Mandatory Accessories	1 x Video VBOX Pro (with full VCI) 1x Cigar plug power cable (2m) 1x Unterminated power supply (2m) 1x Mains power supply 1x External GPS Antenna 1x 8 GB SD Card 1x USB 2-meter lead 4x Sony 580TVL cameras - inc. light weight mounts 2x Forward facing camera mounts 2x Dual mono Microphone (2.5m lead) 1x Stereo Audio Input Splitter 1x Carry Case SD Card-8 GB card supplied with device

Recording Options	Record only when moving (default); Continuous record; Record start/stop button; Record activated by external signal e.g., CAN wheel speed.
Graphics	24bit colour plus 256 levels of alpha transparency Virtually unlimited number of gauges, g-plots, bar graphs, track maps, text, and images
Software	Video VBOX Setup: Configurable software for customising scenes
	Circuit Tools (VBOX Tools available after registration): Data analysis software
Other Details	All the accessories should be included in the quote to make the instrument functional
Warranty	2 years
Maintenance and Repair Services	Available through the manufacturer or an authorized service provider at IIT Bombay
Technical Support	Available throughout the warranty period
Software Updates	Available as needed
Training	Available through the manufacturer or an authorized service provider at IIT Bombay

- **VBOX Touch/ Palmtop GPS – 2 no.**

The VBOX Touch features a 25 Hz GPS receiver, responsive colour touchscreen and the ability to run multiple applications on the same hardware. Built on a platform that allows functionality to be expanded through future software and firmware upgrades.

Features	Specifications
Display	4.3" TFT daylight readable capacitive touch screen
Resolution	480*800 pixels
TFT LCD Display Colours	262K colours (18 Bit)
Indicators	4 x high brightness LED indicators
Connectivity	Wi-Fi and Bluetooth connectivity
Applications	Python-based applications; ideal for solving user- specific testing needs
Interface	2 x CAN Bus interfaces

Mandatory Accessories	<p>25 Hz GPS receiver with internal patch antenna SMA connector for external GPS antenna (overrides the internal antenna when connected) Removable protective rubber cover included 1x Cigar Plug Power Supply Cable (2 m) 1x 8 GB SD Ultima Pro UHS-1 Memory Card 1x GNSS antenna 1x Windscreen Suction Mount 1x Plastic Carry Case for VBOX Touch 1 x Calibration Certificate</p>
Other Details	All the accessories should be included in the quote to make the instrument functional
Warranty	2 years
Maintenance and Repair Services	Available through the manufacturer or an authorized service provider at IIT Bombay
Technical Support	Available throughout the warranty period
Software Updates	Available as needed
Training	Available through the manufacturer or an authorized service provider at IIT Bombay