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SPECIFICATION

(A). 2 X IMU WITH MEMS TRI- AXIAL ACCELEROMETER AND MEMS TRIA – AXIAL GYROS SAMPLING RATE UP TO 2.46 KSPS

ACCELEROMETER

RANGE :- 18 g
NONLINEARITY :- < 0.1 % FS @ $\pm 10g$
BANDWIDTH :- 300 Hz – 3db
ALIGNMENT ERROR :- +/- 0.035 deg

GYRO SPECIFICATION

RANGE :- ± 450 °/s
IN – RUN BIAS STABILITY < 6.25 %/ Hr
NONLINEARITY :- < 0.01 % FS
BANDWIDTH :- 330 Hz – 3db
ALIGNMENT ERROR :- ± 0.05 ° axis to axis

(B) PROCESSING AND DISPLAY UNIT (PANASONIC TOUGH BOOK CF- 53) OR LATEST INTEL ® CORE™ i5 2520M v PRO PROCESSOR
4 GB RAM
INTEL ® HD 3000 GRAPHICS
ROBUST MAGNESIUM ALLOY DISPLAY CASE
SHOCK PROTECTED HDD / SSD
USB 3.0 AND SERIAL PORT

(C) SPI TO USB CONVERTER WITH LVDS TRANSRECEIVER AND TACHOMETER INPUT

(D) 5 Hz GPS

POSITION ACCURACY < 3 M 95% AUTONOMOUS

(E) 1 X TACHOMETER

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On leave,
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22.6.13

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