

Inventory for Appraisal Report

Page: 1

Prepared By: Silicon Valley Appraisal Service, Tom Frankhouser, C.A.G.A.

File Number: 102405 Silicon Valley Overland Robotics Association

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Fair Market Value

2682 Middlefield Rd "N" Redwood City, CA

- 1 2004 Polaris Ranger 850,000.00
120" Long, 60" Wide, 91" High, 2000 lb Fully Loaded, Six (6) Powered Wheels, 12" Ground Clearance, 12.5' Turning Radius, One (1) cylinder Internal Combustion Gasoline Engine, Fuel Tank 40 Gallon Capacity.
Maximum speed on a paved road is 40 mph and on off road is 30 mph. With all processing all Sensor Data, it can safely avoid obstacles at 25 to 30 mph. It completed remote controlled travel at 22 mph and autonomous travel at 11 mph.

Considering the final product, it's operational ability, it's success and all the supporting equipment and supplies along with the technological advances of the unit and the practical uses that can be applied, this complete operational unit is valued at \$850,000.00

- 2 Localization System
GPS by Novatel, PoePak Model, Correctional Signals from Omnistar, Advertised Accuracy while Stationary or Moving is 15 cm, Inertial Measurement Unit (IMU) is Crossbow, Model AHRS 400, Advertised Accuracy is n/a
Unit integrates odometry, GPS and INS data to get position estimates during GPS outages.
- 3 Sensors
One (1) Unibrain Camera, Model Fire-I 400 for Road Following with Maximum effective Range of 100 Ft.
- 4 Sensor
One (1) LIDAR on tilt head, Made by SICK/Newmark, Model LMS 221, With Primary Function to Map Terrain, Operating Range of Sixty (60) Feet, Operating Frequency is near IR
- 5 Sensor
One (1) Eaton VORAD Model, Phased Array Radar for Collision Avoidance for Vehicle Sized Obstacles with a Range of 300 Ft Operating on a Frequency of 24.725 GHz
- 6 Sensor
One (1) Dickey-John Fixed Radar for Ground Speed Measurement with a Maximum range of 4 Ft Operating on a Frequency of 24.125 GHz
- 7 7 Side View of OVERBOT
- 8 8 Safety Items
- 9 9 Cleaning Supplies Cabinet and Microwave and Refrigerator
- 10 10 Work Bench and Parts
- 11 11 Static Work Bench and Monitor
- 12 12 Work Bench and Supplies
- 13 13 Metal Cabinet of Parts and Supplies
- 14 14 Metal Cabinet of Parts and Supplies
- 15 15 Metal Cabinet of Parts and Supplies
- 16 16 Three Metal Cabinets of Parts and Supplies
- 17 17 Portable Work Dolly, Shop Vac, Hydraulic Jack
- 18 18 Front Computer
- 19 19 Interior of Operational Wiring
- 20 20 Roof Top Antenna Guidance Unit