



The Operator Performance Laboratory (OPL)  
1801 South Riverside Drive, Hangar H  
Iowa City Municipal Airport (K10W, CTAF 122.8, Rwy 7/25)  
Iowa City, Iowa 52242  
Flight Ops: 319 248 1100, Cell: 319 631 4445

## Research Vehicle Specification Sheet

**Make:** AMG Model 997 HMMWV  
**Registration:** IA10117, State of Iowa, University of Iowa, liability insured  
**Crew:** 4, commander right front seat, driver left front seat, Test engineers in aft crew compartment.  
**Cost:** \$0.555/mi at @ 51% F&A plus \$250/day with F&A plus crew hourly rates at \$27/hr/person with F&A  
**Dimensions:** Length 15 ft (4.6 m), Width 7.08 ft (2.1 m), Height 6 ft (1.8 m), Weight 5,900 lb (2,680 kg) curb, Engine 8 Cyl. Diesel 6.2 L (380 cu in), Transmission 3-speed automatic, Suspension Independent 4x4, fuel capacity 25 U.S. gal (95 L), Speed 55 mph (89 km/h) at max gross weight  
**Instrumentation:** High output alternator 200A 24 VDC, shock mounted server rack with 3 high performance server grade PCs, graphics cards, KVM, onboard GB LAN, Broadband modem, 900 Mhz Long range data link at 1.2 Mbps, optional high speed L-band data link 2Mbps, 2.4Ghz 10W video link, 4 channel DVR, Satcom dome, roof hatch, external power for on-the-run power transfer, external network hookup patch panel, Hemisphere Crescent heading source, Rockwell Collins GuS GADHRS, Novatel ProPak V3 GNSS, 4kW 120VAC true sine wave inverter with buffer batteries, 24 VDC and 12 VDC lab power supply and distribution system, OPL proprietary remote process management, VHF Airband radio, overhead comms panel, telephone to intercom connection, external speaker for roadside PA, shock mounted customer rack, extendable internal cab mounted 30 ft mast with wire retractor, commander side PC screen and keyboard, driver side eye tracker, brain vision neural monitor for driver workload assessment, 2 aft crew computer work stations, laboratory benches, cab A/C and heat, fridge.



Hemisphere Crescent heading

