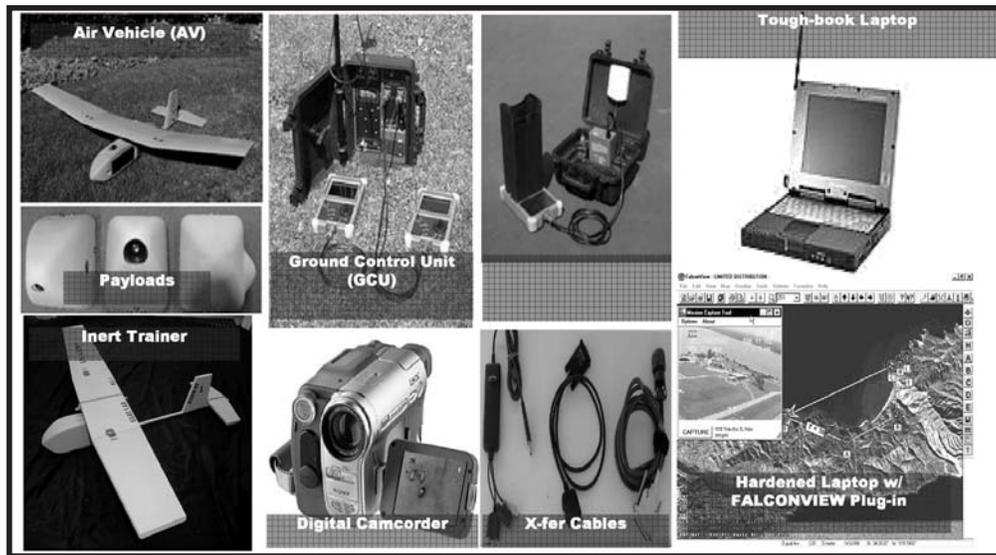


APPENDIX D: RAVEN SUAV SPECIFICATIONS



System Components

- 3 air vehicles per system
- 3 payloads
- One (1) ground control unit
- Remote video terminal (RVT)
- Batteries: rechargeable
- Carry / protective cases
- Battery charger / power supply
- Field maintenance kit

Characteristics / Description:

- Power: rechargeable lithium ion battery
- Wing span: 4.5 feet
- Weight: 4.2 lbs (w/ carrying case, 12 lbs)
- GCU weight: 17 lbs
- Range: 5-12 + km
- Endurance (mins): 60-90 (lithium ion)
- Speed: 27-70 mph, cruise 30 mph
- Payload(s): high resolution, day / night camera and thermal imagery
- Crew / Manpower: 2 Soldiers

Mission:

Army tactical-level reconnaissance, surveillance, target acquisition, and battle damage assessment

Capabilities:

- Hand-launched / AutoLand recovery
- Military P(y) - Code GPS
- Auto-navigation
- Quick assembly (< 3 min)
- Man portable / backpackable
- Quiet
- Reusable
- Typical operational altitude 150-500 ft AGL
- Climb to operational altitude in 1-2 minutes