

General Characteristics

Length: 3 ft 7 in

Wingspan: 4 ft 3 in

Weight: 4.2 lb

Speed: 60 mph

Ceiling: 15,000 ft

Range: 6.2 miles

Flight Duration: 80 min

Propulsion: Aveox 27/26/7-AV electric motor

RQ-11 RAVEN

The RQ-11A Raven unmanned aerial vehicle is another large step forward for the Nevada National Guard into the world of unmanned aerial systems. While Nevada Air Guard airmen have flown Predator unmanned aerial systems for several years, Battle Born Guardsmen received their first Ravens in September 2007 and currently have 11 trained operators.

The aircraft's wartime applications include intelligence, surveillance and reconnaissance. Here in Nevada, the Nevada Guard is currently evaluating the system to measure its potential as a domestic response capability. During Vigilant Guard 2008, Guardsmen will fly the Raven over restricted airspace in the Fallon area and perform a thorough damage assessment following the simulated earthquake.

The Raven system is a hand-launched aircraft that carries an infrared camera and a day-time color camera. Video is sent from the aircraft to a laptop computer on the ground and can immediately be sent nearly anywhere in the world. During this exercise, the video images will be transmitted into the state's emergency operations center, the emergency operations center at Churchill

County and the Nevada Guard's joint operations center. The entire system can be carried by two soldiers with backpacks.



The cost of a single Raven system, which includes three aircraft and the laptop, is about \$270,000. Nevada currently operates two systems.

