



## GCS - Joint Common Interoperable Ground Control Station

The GCS (Ground Control Station) provides a common command and control solution for AeroVironment's (AV) family of small UAS. Small, lightweight, and combat proven, the GCS displays real-time video from the air vehicle's payload cameras to personnel on the ground. In addition, the GCS allows the operator to capture screen images, store and playback data for target assessment, and facilitates real-time re-transmission of video and metadata to an operations network.

When embedded at remote locations, a GCS can also be operated as a Remote Video Terminal (RVT), enabling Command Centers or Monitoring Stations with the same viewing and analysis capability of the UAV operator.

The GCS is compact and portable, taking up only a portion of a small backpack. It can be assembled in less than two minutes and its ease of use empowers the operators of Raven, Wasp and Puma AE small UAS with manual or autonomous capabilities to provide reconnaissance, surveillance, and target acquisition missions day and night.

## TECHNICAL SPECIFICATIONS

- Features** -
- Compact, ruggedized, dustproof and waterproof
  - Intuitive user interface
  - Can store up to 80 image captures from the real-time video stream
  - Can store multiple pre-programmed missions
  - Can operate in RVT Mode
  - MIL-STD-810F Qualified
  - Common GCS for Raven, Wasp, Puma AE, Swift

**Software** - Proprietary, robust military-grade core operating system

**Modes of Operation** - Manual, Altitude-Hold, Navigate, Loiter, Home, Loss-of-Link, Follow Me, Autoland

**Batteries** - Common military batteries (BA-5590/U compatible)

**Interfaces** - Ethernet and RCA (NTSC or PAL)

**Datalinks** - US DoD Joint Spectrum Center JF-12/DD1494  
Stage 4 approved frequencies

**Weight** - 7.42 lb/ 3.37 kg (fully packaged)

**Product Status** - In Full Rate Production

- Options** -
- Optional FalconView mission planning and monitoring software
  - "Toughbook" PC Laptop
  - TOCvt Kit Antenna (greatly expanded RVT capability)