



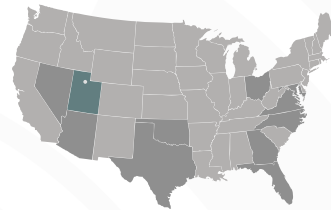
# DVIS

## DIGITAL VISUAL IMAGING SYSTEM



### Digital Visual Imaging System

The Digital Visual Imaging System (DVIS) contract, valued at \$43.9 million, replaces the former wet film camera system with an entirely digital processing, control, and suite of camera sensors on the US Air Force's two unique OC-135B Open Skies aircraft. The digital replacement also includes the development of a fixed and mobile Digital Ground Processing System (DGPS) for the processing of the recorded digital imagery, as well as a System Integration Test Environment (SITE) lab at KIHOMAC's primary facility located in Layton, Utah.

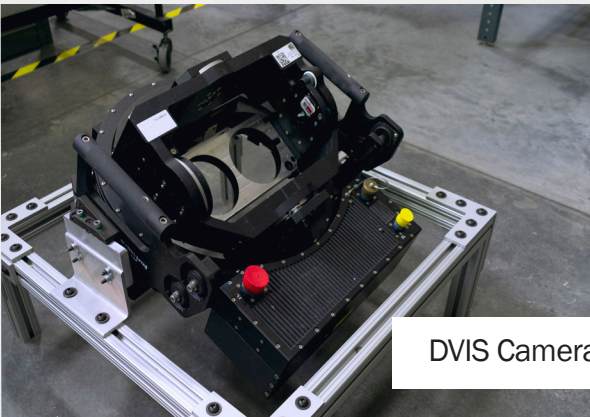


- KIHOMAC SITE Facility
- KIHOMAC Office

### DVIS & Open Skies

Signed March 24, 1992 and taking effect January 1, 2002, The Treaty on Open Skies establishes a program which permits each participant nation to conduct short-notice, unarmed aerial surveillance flights over the others' entire territories. Observing aircraft are equipped with sensors which enable the detection and identification of significant military equipment including aircraft, combat vehicles, and artillery.

In conjunction with the initiation of this program, the US Air Force refit two KC-135's to serve as surveillance aircraft. The Air Force opened bids to update the wet film camera systems on the OC-135 to a digital system, and KIHOMAC was awarded the contract in February 2016.



DVIS Camera Gimbal



# DVIS PROJECT DEVELOPMENT



## Scope of DVIS Effort

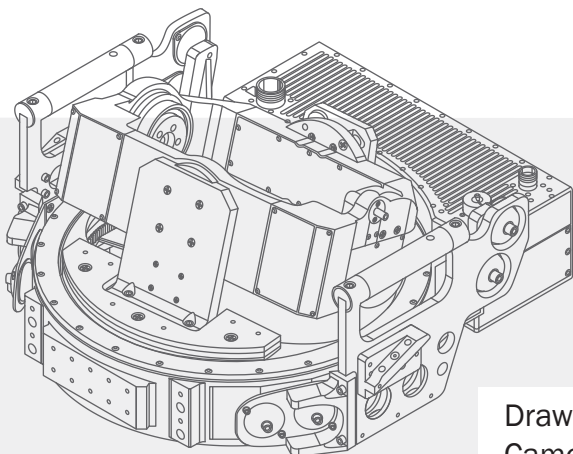
- Modification design for the upgrade
- A and B kit procurement for two aircraft
- Installation on two aircraft
- Procurement and installation of a ground data processing station
- System integration and test facility
- Flight test and treaty certification support
- Tech data development, mission crew training and initial component spares

## Systems Integration Test Environment (SITE)

KIHOMAC created a fully-functional OC-135B systems integration laboratory for the DVIS contract at our primary facility in Layton, UT (Pictured above). The lab provides the ability to run tests and troubleshoot issues in an environment which mirrors the updated configuration of the OC-135.

## Technical Data Development

Technical data for the DVIS camera system was developed by KIHOMAC's team of experienced former and retired aircraft maintenance personnel. KIHOMAC produced 28 flight operations and maintenance manuals with numerous detailed technical illustrations, generated in Standard Generalized Mark-up Language (SGML).



Drawing of DVIS  
Camera Gimbal

