FLIR | Motion Control Systems

The Real-time Battlefield

Dragoon Technologies

In today's dynamic battlefield environment, the ability to move important information around has become as important as the ability to move troops and weapons. Video and other sensor data can be critical to the success of a campaign. But to be useful it has to be delivered to the right place at the right time.

Dragoon Technology's Automated Tracking Antenna Resource (ATAR) includes an L-band video antenna that uses real-time telemetry data transmitted over UHF LOS radio to automatically aim at the video source to automate collection and distribution. Ranges of over 90 miles have been achieved in an operational environment. A core component of the ATAR system is a pan-tilt platform that can provide the fast, precise control of the L-band antenna required for the system.

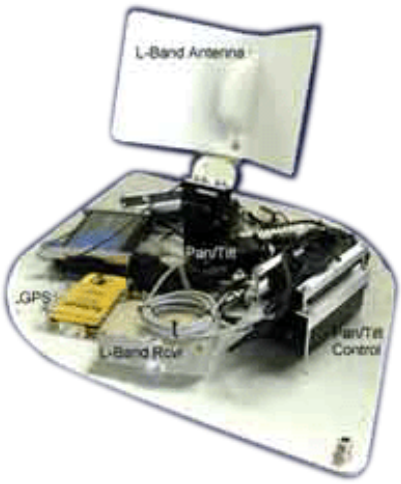
When the Dragoon team set out to design the ATAR system they turned to the FLIR MCS PTU-46-70 model. They found the compact size, precision, and proven reliability to be a great fit for this demanding application.

"We selected the FLIR MCS PTU because we knew the PTU-46-70 had been proven in similarly demanding applications. The computer interface provided with the Directed Perception product made integration into our control system simple and fast. The product has performed flawlessly for us after more than a year in the field." Bob Appenzeller, General Manager

The ATAR uses telemetry data transmitted over UHF LOS radio and points its L-band video receive antenna at the broadcast source.

About Dragoon Technologies

Dragoon Technologies (www.dragoontech.com) was established in 1993 as a premier provider of products and services to the U.S. military. Their Video and Image Processing Resource (VIPR-Lite) and Automated Tracking Antenna Resource (ATAR) products provide an integrated solution to collection and distribution of battlefield video information.



Automated Tracking Antenna Resource (ATAR) system using pan-tilt control.

The ATAR system in the field uses telemetry data transmitted over UHF LOS radio and points its L-band video receive antenna at the broadcast source.