Automated Geo-Pointing for Mobile Applications
Harris Corporation

Harris Corporation knows how to engineer complex assured communications systems. The Harris engineering team recently faced a tight deadline and a need to automatically aim their system based on GPS positions from a mobile platform for a very important project.
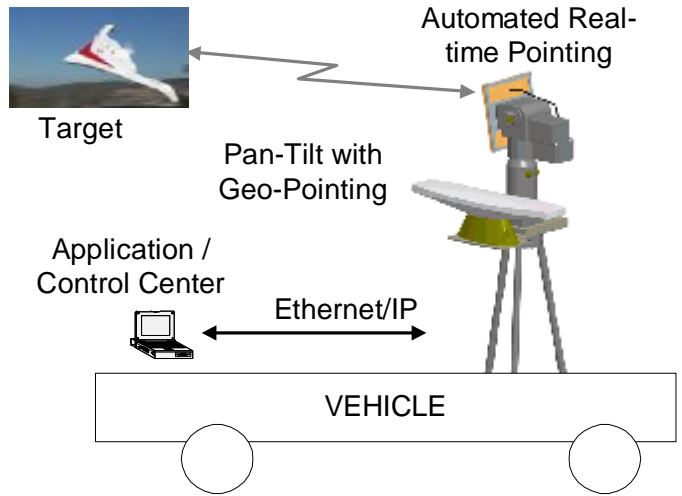
The Harris team found the **PTU-D300** and **Geo-Pointing-Module** (**GPM**) to be very close to their needs. The Directed Perception team worked closely with Harris to define a set of modifications and enhancements to the **GPM** to provide Harris a turn-key solution for mobile geo-pointing.

A dual-GPS heading sensor and MEMs gyro were integrated with the **GPM** to fully automate the calibration step. An enhanced payload mounting calibration routine allows for precise repeatable pointing. Applications can send GPS target locations over Ethernet to have the **GPM** point automatically at ground and airborne targets in real-time.

> "This project was on an aggressive timeline and the Directed Perception team stepped up and delivered several days early! The **PTU-D300/GPM** system that was delivered worked "out of the box" and allowed us to make our project milestones. We were extremely pleased with the responsiveness and professionalism of the Directed Perception team and with the product quality and performance".
> – Eric Petkus, Chief Systems Engineer, Harris Corp.

Target

Automated Real-time Pointing

Pan-Tilt with Geo-Pointing

Application / Control Center

Ethernet/IP

VEHICLE

Automated Geo-Pointing from Mobile Platform

About Harris Corporation, (www.harris.com) is an international communications and information technology company serving government and commercial markets in more than 150 countries and has annual revenue of about $4 billion and more than 14,000 employees — including more than 6,000 engineers and scientists. Harris is dedicated to developing best-in-class assured communications™ products, systems, and services for global markets, including government communications, RF communications, broadcast communications, and wireless transmission network solutions.

Customer Success Story