Optical Tracker for Chilean Navy
DESA

Desarrollos de Automatizacion S.A. (**DESA**) has been developing defense electronics systems since 1993, starting with the SAETA-1/CH fire control system deployed on the "Iquique" fast missile boat of the Chilean Navy. **DESA** has followed a strategy of employing COTS components in order to deliver the best value and capabilities to their military customers.

Recently **DESA** was asked by the Chilean Navy to develop a low-cost ship-board optical tracker to provide situational awareness on a Chilean-built Ocean Patrol Vessel (OPV). The requirement called for daylight and thermal cameras, and the ability to operate in the harsh deck environment of a navy vessel to operate a light gun in Maritime Police duties.

The **DESA** team turned to the **PTU-D300-ISM** to provide a low-cost, rugged, stabilized pointing system for their maritime application. The **PTU-D300-ISM** offered the flexibility for multiple payloads, built-in inertial stabilization, high pointing accuracy, and IP67 rating suitable for marine environments.

> "DESA believes in adapting the best COTS products to deliver superior value to our military customers. We found that the **PTU-D300-ISM** fit our approach very well and provided a great solution for our ship-board optical tracker. The first system has been successfully commissioned on the ship, and more are in process. We have been very pleased with the quality and performance of the system. We also appreciated the outstanding support we received from the Directed Perception team during our integration phase. We are already working on incorporating Directed Perception products in other applications".
> – Ricardo Cortes E., Gerente General, DESA S.A.

Optical Tracker on Chilean Navy Vessel

Desarrollos de Automatizacion S.A. (**DESA**) is a leading company providing real-time electronic system integration for defense applications. Since 1993 DESA has served leading military customers including the Chilean Navy and Chilean Army. (www.desachile.cl)