

Advanced Products for Positioning and Control of Sensors

Your Partner in Sensor Positioning and Control

Directed Perception offers a complete line of intelligent pan & tilt devices for computer-controlled positioning of lasers, microwave antennas, thermal cameras, video cameras, IP cameras, and more in both indoor and outdoor environments.

Directed Perception's pan tilt devices offer high speed, precision, durability, and small form factors. Directed Perception serves OEMs and systems integrators in mission-critical applications including surveillance, sensor fusion, automated detection and tracking, robotics, communications, border security, machine vision, and automated test in military, aerospace, and industrial markets.

Trusted. Proven. Refined.

Directed Perception's products have been refined and proven over 17 years over thousands of customers across hundreds of applications by some of the largest companies and most advanced engineering teams in the world. The result is lower development risk for you, and the assurance that your application will work right the first time, and over the long run.

Read case studies and learn more at:

www.DPerception.com

Complete line of Precision Pan-Tilt Units

Product Model Families

| Model Family | Max Payload (lbs.) | Resolution (°) | Features | |
|--------------|--------------------|----------------|--|---|
| D300 | 90 | 0.006 | Stabilization, RF pass-through, slip-ring, IP67 |  |
| D100 | 25 | 0.0075 | Stabilization, slip-ring, top-mount/side mount |  |
| D48 | 15 | 0.003 | Compact, light-weight, speeds to 100°/second, IP67 |  |
| D47 | 12 | 0.01 | Top+side mount, 300°/second, < 5.5 lbs |  |
| D46 | 9 | 0.01 | Ultra-compact, modular controller |  |

All models feature:

- Real-time computer control interface
- Dynamic Rigidity, Precise Geometry
- 100% duty-cycle design
- DC power operation
- Wide temperature specs, all-weather
- Flexible mounting of any payload
- Geo-pointing, gyro inertial stabilization



Corporate Overview



Security & Surveillance
Harbors, ports, borders, thermal imaging



Military
Force protection, vehicle camera systems, special operations, airborne



Remote Sensing
Scientific instruments, Gas detection, Lidar, Hyper-spectral imaging



Robotics
Unmanned ground vehicles, USV, UAV



Maritime
Ship-board cameras, antenna systems, harbor patrol, search and rescue



Antennas
Automated antenna pointing, tactical communications, SATCOM

Background and History

Directed Perception, Inc. was founded in 1992 with a mission to be a leading manufacturer of innovative devices and software for the intelligent control of sensors and sensor processing. Directed Perception was purchased by FLIR Systems, Inc. in late 2009 and renamed FLIR Motion Control Systems, Inc. Directed Perception offers a complete line of patented pan & tilt devices and related hardware and software for computer-controlled positioning of lasers, antennas, thermal cameras, video cameras, IP cameras, and more in both indoor and outdoor environments. Directed Perception's pan tilt devices offer high speed, precision, durability, and small form factors.

Capabilities

The company maintains state-of-the-art manufacturing facilities at its headquarter location in Burlingame California. The company maintains strong vendor relationships and a flexible supply chain to allow rapid response to increased production requirements and customized products. The Company's engineering capabilities span mechanical engineering, electrical engineering, software engineering, and computer vision.

Experience and Reference Customers

FLIR MCS has built a solid reputation for innovation, quality, and performance with government and commercial customers worldwide since 1992. In commercial markets, Directed Perception serves market leaders such as IBM, Bechtel, iRobot, Cognex, Honeywell, and 100's of major universities and small, innovative companies worldwide. In military and homeland security markets, Directed Perception has helped companies such as General Dynamics, Harris Corporation, Northrop Grumman, Raytheon, Boeing, Lockheed Martin, L-3 Communications, BAE Systems, and SAIC to serve the needs of the most demanding customers including the U.S. Armed Forces, U.S. Government, and NASA.

A sampling of the types of projects where the company's products have been successfully deployed include:

- Ground-to-air communications tracker (Military)
- Night vision perimeter surveillance products (Security)
- Automated optics alignment tool (Commercial)
- Airborne camera systems (Military)
- Covert Surveillance (Law Enforcement)



is now



Motion Control Systems

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