



For more information contact:

Marilyn Elperin

(650) 342-9399

FAX: (650) 342-9199

[melperin@dperception.com](mailto:melperin@dperception.com)

[www.dperception.com](http://www.dperception.com)

**For Immediate Release**

**DIRECTED PERCEPTION PAN-TILT DELIVERS FAST, ACCURATE  
POSITIONING OF LARGE PAYLOADS FOR AUTOMATED TEST AND  
OTHER OEM APPLICATIONS**

**Rugged unit delivers precision, power and speed in small footprint**

**BURLINGAME, California. September 30, 2005** - Directed Perception, Inc. today announced the availability of its PTU-D300 family of computer controlled pan-tilt units. The PTU-D300 is 10-times more accurate than available alternatives for computer-controlled positioning of large payloads, offering 0.00643 degree resolution. The extremely rugged all-in-one design is compact and has flexible mounting options for payloads including video cameras, lasers, test equipment, antennas, and thermal imagers. Built-in dynamic control capabilities include on-the-fly speed and position command changes at over 30Hz supporting a wide range of OEM and industrial applications including laser imaging and automated tracking. An available LabView driver simplifies integration of the PTU-D300 with existing automated test systems. An available software API supports integration with custom applications. Geo-pointing and stabilizations options are available

**Automated Test and Machine Vision**

The integrated design of the PTU-D300 provides a complete turn-key positioning solution for fast, accurate, dynamic, computer-controlled positioning of lasers antennae and other automated test



equipment for optimization and alignment tasks. Automated test system developers and OEM systems designers can save months of development time using the PTU-D300 as a drop-in solution.

### **Payloads to 70 Lbs.**

The patent-pending mechanical design provides rigid, stable, payload positioning with very good dynamics. Specific performance features include:

- Payload capacities of 70 Lbs (side mount) and 35 Lbs (top mount)
- Fully controllable pan and tilt speeds ranging from below 0.00643 °/second to 50 °/second
- +/- 0.00643° positioning accuracy in both pan and tilt axes
- 360° continuous pan option

The PTU-D300 includes a fully-integrated controller with digital commands for fine-grained control of speed, acceleration, position limits, and power modes. Unit can be commanded in terms of either position or velocity. The unit allows on-the-fly command changes to support dynamic tracking applications. Both RS-232 and RS-485 interfaces are available, with other network interfaces on request. Control software interfaces available include a LabView driver and a C source-code API for use with embedded or desktop CPUs.

The PTU-D300 is constructed of machined aircraft-grade aluminum and provides a sleek, integrated package with flexible payload and pan-tilt mounting options. Packaging features include:

- Rugged all-weather design (IP67) with wide-range operating temperature (-30° to +50° C)
- 100% duty cycle or 3-5 million cycles
- Single 9-30VDC power input
- Single mil-style connector for all signals and power. Pass through of payload signals including Power, Video, and serial control.
- Compact size (11.6" x 5.5" x 9" not including payload bracket)
- Marineized option available



### **Designed for easy customization**

The PTU-D300 has a number of design features to support rapid customization to meet specific OEM requirements. Customization options include changes in: payload connectors/cabling, mounting brackets, slip-rings, encoders, and network interfaces.

### **Price and Availability**

The PTU-D300 is available now. Pricing is \$9500 (Qty 1 - standard configuration).

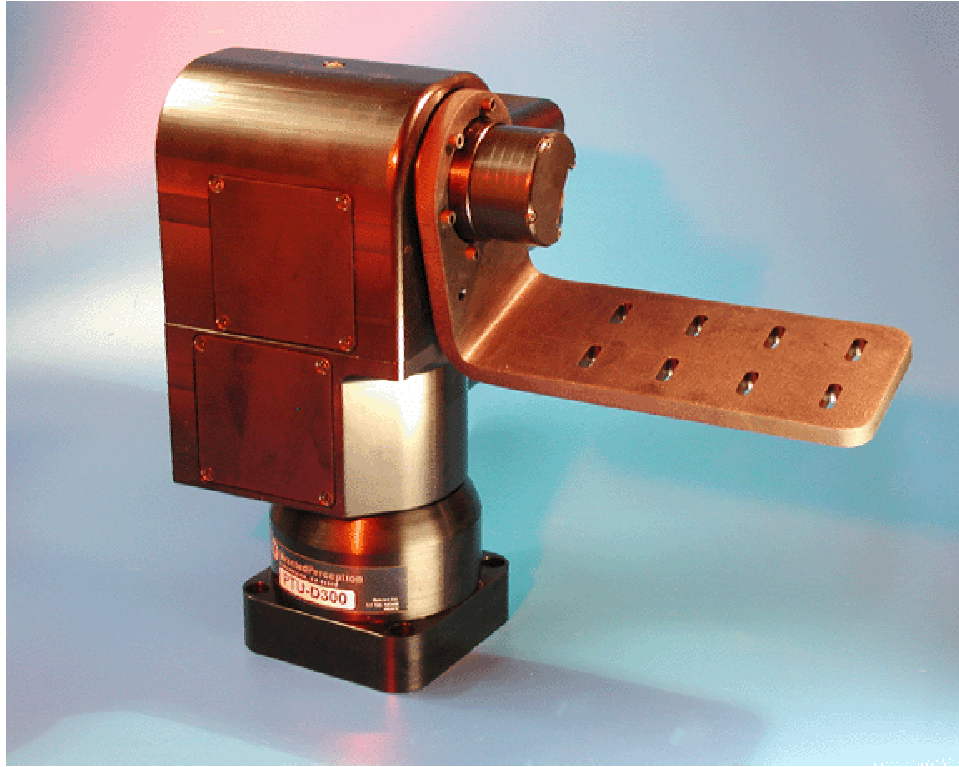
### **About Directed Perception, Inc.**

**Directed Perception** is a leading manufacturer of innovative devices and software for the intelligent control of sensors and sensor processing including video cameras, IR sensors, laser rangefinders, microwave antennas, thermo-imaging sensors, and more. The Company's products are designed with precision, ruggedness, and low-cost to support demanding applications, such as tracking, in a broad range of OEM and end-user markets. Directed Perception's flagship miniature computer-controlled pan-tilt tracking mount was one of the first of its kind and has been sold to OEMs and end-users world-wide since 1992. The Company's patented products are used in a wide range of industries including Security & Surveillance, Industrial Automation, Robotics, Communications, Military/Aerospace, Law Enforcement, Education, R&D, Webcams, and Teleconferencing/distance learning.

Directed Perception customers include industry-leading companies worldwide in aerospace, defense, security & surveillance, robotics and industrial automation. Directed Perception sells its products direct and through distributors and partners worldwide.

Directed Perception is privately held and headquartered in Burlingame, in Northern California.

###



**PTU-D300 – Large-Payload Precision Pan-tilt**