



# EAGLE

## PAN TILT SYSTEMS



Eagle™ PT50 shown with Hitachi HV-D30 and Canon PH10 lens

The EAGLE® PT-50 pan-tilt head is an ultra quiet, low cost, easy to use unit. It is designed for acceptance in many areas, a few of which are teleconferencing, city council meeting, houses of worship, broadcasting, distance learning, surgical documentation, local access cable broadcasting, and entertainment venues.

The PT-50's compact size and incredibly quiet motion allows for placement in out of sight areas, so as not to disturb participants in meetings and classes. It has an available wall mount or ceiling mount adapter to fit into many different applications.

### EAGLE® PT-50 PAN TILT HEAD

Eagle® system compatible

On board computer controlled

Can link up to 32 total Eagle™ devices on one RS-485 control chain; switchable to RS-232 control

Stainless steel worm gear and polypropylene ladder chain driven axes for smooth, quiet, accurate, repeatable performance

Control of either direct drive or servo drive lenses

64 presets per head, stored internally in non-volatile memory

Quiet operation in upright or inverted positions

Will handle camera and lens combinations weighing up to 6 lbs.

Optional camera control for HV-D30, HV-D15 Hitachi cameras

Built in 12VDC camera power supply

Control software available for Windows 95™/98, and Windows NT/2000™ compatible PC's

Completely self-contained, no additional interface modules needed

5 pin connector on base allows for easy connection of power and control lines-NO SOLDERING NEEDED!

Video and power connection made at base are passed through head to camera-no cables to get caught when panning or tilting

Pre-built camera power harness and adjustable camera mount provided with each head

All needed connectors for power and control are included

24 VDC operation

The head has a range of motion of up to 360° in pan and +/- 45° in tilt. The unit has variable speed at up to 18° per second in both pan and tilt. Speed is completely variable from zero to full based on proportional digital joystick input from the new Eagle™ PT-C-50 pan-tilt / camera controller.

Up to 64 different preset combinations of position and lens settings can be memorized by the head. All are stored in non-volatile memory inside each head, and can easily be recalled at any time.

The Eagle® PT-50 is for camera / lens combinations of up to 6 pounds (2.7 kg).



## SPECIFICATIONS *(preliminary)*

- Weight: 8 pounds (3.6 kg)
- Maximum load: 6 pounds (2.7 kg)
- Pan range:  $\pm 179^\circ$ ; Tilt range  $\pm 45^\circ$
- Limits set electronically from controller
- Pan and tilt speed: 0 to  $18^\circ$  per second, variable ranges
- Accuracy of preset position recall:  $\pm 5$  arc minutes (.08 degrees)
- Physical noise level: less than 30 dBA
- Max. number of preset positions: 64
- Requires 24VDC power, minimum 1.5A: max draw with camera: 2.5A
- Will control either direct drive or servo drive lenses
- High-torque stepper motors drive stainless steel worm gears via polypropylene/stainless steel ladder chain
- Switchable RS-485 or RS-232 communications protocol; no adapter needed for control by PC
- Provides 12VDC camera power

CE approval pending

## OPTIONAL ACCESSORIES

- PT-C50 desktop pan-tilt / camera controller
- PT-CCB-50 camera control chip (internal option in head)
- PT-PS-1 single 2.5A output power supply
- PT-PS-2 quad output 2.5A power supply
- PT-SB "Shot Box" motion control recorder
- PT-T2 one input, six output control and power splitter box
- PT-WM-50 wall mount arm
- PT-CM-50 ceiling mount adapter base for 1.5" NPT pipe



**EAGLE**  
**PAN TILT SYSTEMS**  
 Helping to bring your world  
 into focus

Eagle™ products are designed and manufactured in the USA by Display Devices Inc., Arvada CO 80003  
 Specifications and design subject to change without notice

Photos shown are of the prototype unit, and may not fully represent the final production model in color or size.

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[www.eaglepan tilt.com](http://www.eaglepan tilt.com)