

VEXTOR



Vextor™ PT50 shown with Hitachi HV-D30 and Fujinon T16x lens

The Vextor® VX-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 VX-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.

VEXTOR® VX-50 PAN TILT HEAD

Full Vextor® system compatibility

Can link up to 32 total Vextor™ 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

Up to 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-D20 Hitachi cameras

Built in 12VDC camera power supply

Control software available for Windows NT/2000/XP™ compatible PC's-control by RS232 or RS485

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 25° per second in both pan and tilt. Speed is completely variable from zero to full based on proportional digital joystick input from the new Vextor™ VX-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 Vextor® VX-50 is for camera / lens combinations of up to 6 pounds (2.7 kg).



SPECIFICATIONS

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 25° per second, variable ranges
 Accuracy of preset position recall: ± 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
 Available in either black or gray powder coat

Designed, Manufactured and Distributed by Display Devices Inc., Arvada, CO 80003
 Call toll free (877) 862-6862 for a dealer near you
 Outside the US call (303) 412-0399

OPTIONAL ACCESSORIES

VX-C-50 desktop pan-tilt / camera controller
 VX-CCB-50 camera control chip (internal option in head)
 PS-24-2.5 single 3.2A output power supply
 PS-24-12 quad output 3A power supply
 VX-SB "Shot Box" motion control recorder
 VX-T2 one input x six output control and power splitter box
 VX-WM-S wall mount arm
 VX-CM-50 ceiling mount adapter base for 1.5" NPT pipe

VEXTOR
Pan-Tilt Systems

Specifications and design subject to change without notice
 02/04

www.vextor.us