

# POSITIONIT<sup>®</sup> PI 35

## New Heavy-Duty Pan and Tilt Positioner by Will-Burt

- Payload Capacity – Up to 35 ft.-lbs. / 47 Nm
- Waterproof – IP 68 Rated
- Pelco-D Communications
- Universal Mounting Plate

PositionIt by Will-Burt is a maintenance-free pan and tilt positioner designed to provide years of trouble-free service. An IP68 rating delivers dust and water protection. The gear box is designed to minimize backlash and provides higher gear ratios for lower speeds along with mechanical braking. Long-life potentiometers are standard with PositionIt.



### ESSENTIAL FEATURES

- **Strong lightweight construction**
  - Die-cast aluminum casing
- **Pelco-D RS-485 communication**
- **Minimal backlash**
  - Precision turned and milled components with ball races on major axes
- **Absolute positioning**
- **Built to last**
  - Stainless steel fasteners
- **Weatherproof**
  - IP 68 rating
- **Simple to install**
  - External limit switch adjustment
- **Universal mounting plate**
  - Suitable for most common payloads
- **Corrosion resistant finish**
  - Black
- **Regenerative braking**
  - On motor shaft

### POSITIONIT SPECIFICATIONS

Model	PI-35
Payload Capacity*	35 ft lb / 47 Nm
Height	9.7 in. / 246 mm
Width	10.8 in. / 273 mm
Depth	5.7 in. / 144 mm
Weight	19.5 lb / 8.9 kg
Operating Temperature	-20°C to 50°C / -4°F to 122°F
IP Rating	IP68 - Waterproof (immersion) and Dustproof
Pan Axis	400° (± 200°)
Pan Speed (proportional)	1° to 12° / second
Tilt Axis	180° (± 90°)
Tilt Speed (proportional)	1° to 12° / second
Backlash	≤ 0.15°
Repeatability	≤ 0.3°
Maximum Continuous Power	44 W
Maximum Running Current	1.85 amps
Input Voltage	24 VDC - Converters available for 12 VDC and AC power sources

\*Capacity measured at 12 inches or less from the tilt axis. Dimensions and weights are for reference only and are subject to change. Contact Will-Burt for current engineering specifications.

### POSITIONIT CONTROLLERS

The handheld and 2U rack mount controllers are Pelco-D compatible with programmable home and stow positions. The AC powered rack mount controller provides power and pan and tilt commands to the positioner and is adaptable to contact closure switches for I/O panels. The handheld controller has a keyboard for programming and an LCD screen and can be optionally used in conjunction with the rack mount controller.



# CONTACT YOUR SALES REPRESENTATIVE TODAY

The Will-Burt Company, headquartered in Orrville, Ohio, USA, is the world's premier manufacturer of mobile telescoping masts, towers and pan and tilt positioners. We offer virtually every mobile payload elevation and integration solution for defense, government, first responders, cellular and mobile, broadcast, energy production and other markets. Will-Burt also offers contract manufacturing, metal fabrication, powder-coating, and rapid prototyping services. Will-Burt is an international company with offices and manufacturing in the USA, England, and Germany along with offices in Singapore and a joint venture in Turkey. All Will-Burt Company manufacturing locations are backed by a certified ISO 9001:2015 Quality Management System. Incorporated in 1918, Will-Burt is 100% employee-owned and is classified as a small business.



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