

BIT-PT850

Outdoor High Precision Heavy Duty Pan Tilt Unit/ Positioner

Max. 50kg (110.23lb) Load Capacity



Features

Maximum top load capacity 50kg (110.23lb)

Pan angle: 0-360° , tilt angle: -45° --+45°

Pan speed 0.01~30° /s, tilt speed 0.01~15° /s

Preset accuracy: $\pm 0.1^\circ$

High precision stepper motor and worm gear drive transmission, electronic anti-shake

Self-lock with memory after power failure, strong wind resistance

RS485/RS422 pan tilt control via Pelco D/P, optional Ethernet P/T control

Support absolute position and position response

Anti-corrosion surface treatment

Rated IP66 for dust and water ingress protection

Overview

BIT-PT850 heavy duty pan tilt unit is a large size pan tilt with load capacity up to 50kg (110.23lb). It is AC/DC24V self-adaptive driven. Via Pelco protocol, RS485 interface, it can be controlled by loaded cameras or a joystick controller. Made of die-cast aluminum alloy with additional corrosion surface treatment, it is IP66 ingress protection and ideal for long range pan tilt zoom positioning system applied in many critical area like airport, seaport, military infrastructure, and also for city, boarder application.

Contact our sales representative for free professional technical consulting and customization services at sales@bit-cctv.com or call us at +86-139-2068-8922.

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Technical Specifications

Model	BIT-PT850
Max. Load Capacity	50kg (110.23lb), top load
Load Type	Indoor/outdoor, top load
Pan Angle	Pan: continuous 360°
Tilt Angle	+45°~-45°
Rotation Speed	Pan: 0.01°/s-30°/s Tilt: 0.01°/s-15°/s
Programmable Presets	200
Preset Accuracy	± 0.1°
Cruising Track	8
Scan	8
Coordinate Feedback	Support angle query feedback or real-time feedback
Absolute Control	Support
Lens Preset	Support
Lens Control Speed	Continuously adjustable zoom, focus speed
Adaptive PT Speed to Zoom	Speed up while zooming out, slow down while zooming in
Guard Location	Support with 1 preset or 1 cruising track or 1 auto scan
Power Failure Memory	Support, recover to PT position, scan/preset/cruising track movement before power failure
Self-lock	Support
Protocol	Pelco P/D
Baud Rate	2400/4800/9600/19200 bps
Communication Interface	RS485 (Optional RS422) or Ethernet
Transmission	Worm gear transmission
Standard Wiring/Interface	
Pan Tilt Base	100M Ethernet with RJ45 (4 wire, pass-through), RS485 P/T control Input (2 wire), 24V AC/DC Input (2 wire), GND
Pan Tilt Top	100M Ethernet with RJ45 (4 wire, pass-through), RS485 P/T control input (2 wire), 12V DC (2 wire) Output, 24V AC/DC (2 wire) Output, GND
General	
Operating Voltage	AC24V±25 %, 50/60Hz or DC24V±10 %
Power Consumption	≤100W

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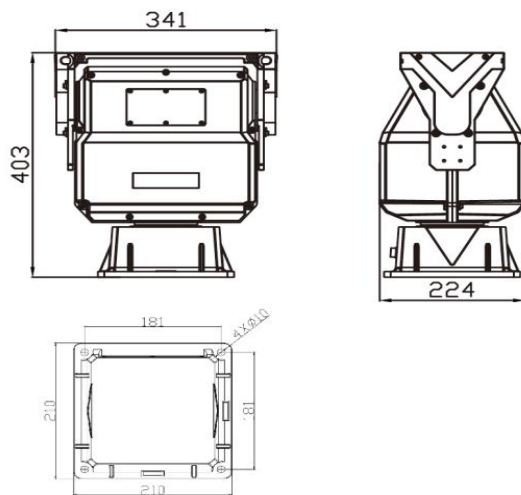
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Lighting Surge Protection	Power: 4000V (line to ground: 4000V, line to line: 2000V) Communication signal interface: 2000V (line to ground: 2000V, line to line: 1000V)
Working Temperature	-40℃~+60 ℃ [-40 °F ~ 140 °F]
Working Humidity	90±5% RH
Storage Temperature	-40 ℃~+70 ℃ [-40 °F ~ 158 °F]
Protection Level	IP66
Material	Aluminium Alloy
Weight	23kg (50.7lb)
Dimension (L×W×H)	224×341×403mm (8.81x12.42x15.864in)

Dimension:



Unit: mm

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