



Key Features:

- Maximum top load capacity 100kg/220lb
- Optional 70kg load with fast pan speed 50°/s
- Top mount or side mount
- Pan angle: 0-360°; Tilt angle: -70°~+70°
- Pan speed 0.01~20°/s; Tilt speed 0.01~5°/s
- Positioning accuracy: $\pm 0.1^\circ$
- Support coordinate feedback and control
- 4000V lighting surge protection
- Rated IP66 for dust and water ingress

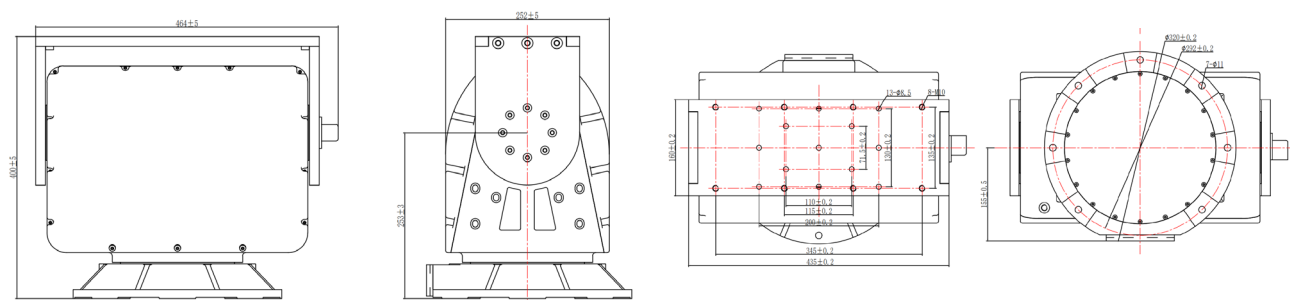
General Description:

BIT-PT8100 is a large size, military level, multi-functional heavy duty pan tilt head positioner with load capacity up to 100kg/220lb. Powered with DC48V, it features a minimum speed of 0.01°/s, anti-loose technology, self-lock to make sure smooth and stable view for a long range surveillance.

Taking advantage of built-in absolute encoder, BIT-PT8100 features $\pm 0.1^\circ$ positioning accuracy repeatability accuracy for sophisticated application.

With IP66 ingress protection design and corrosion resistance surface treatment and coating, BIT-PT8100 is a good choice for application in corrosive environment like the coast.

Dimension:



Specifications:

Model	BIT-PT8100
Payload Capacity	100kg/220lb (Please provide size/weight of the load for evaluation)
Mount Type	Top mount or side mount
Rotation Angle	Pan: continuous 360°, Tilt: -70°~+70° [-90°~+90° for Side Mount]
Rotation Speed	Pan: 0.01°/s-20°/s, Tilt: 0.01°/s-5°/s
Positioning Accuracy	± 0.1°
Repeatability Accuracy	± 0.1°
Programmable Presets	200
Cruising Track	8, each with 10 preset positions
Scan	1
Power Failure Memory	Support, back to PT position, scan/preset movement before power failure
Start Movement	A series of movements for calibration when the unit is powered on
Absolute Position	Support
Protocol	Pelco P/D
Communication Interface	RS485, RS422 or RS232
Baud Rate	2400/4800/9600/19200 bps
Standard Wiring	
Pan Tilt Base	• 100M Ethernet (4 wire, pass-through to the base) • RS485 P/T control input (2 wire) • 24V DC Power Input (2 wire) • GND
Pan Tilt Top	• 100M Ethernet (4 wire, pass-through to the top) • RS485 P/T control input (2 wire) • 12V DC @1.5A output (2 wire) • 24V DC@1.5A output (2 wire) • GND

General	
Operating Voltage	48V DC±10 %
Power Consumption	≤200W
Working Temperature	-35°C~+65 °C
Working Humidity	90±5% RH
Storage Temperature	-40 °C~+70 °C
Protection Level	IP66
Material	Aluminium Alloy
Weight	50kg
Dimension L×W×H	540×318×415mm [L*W*H]

Standard Wiring:

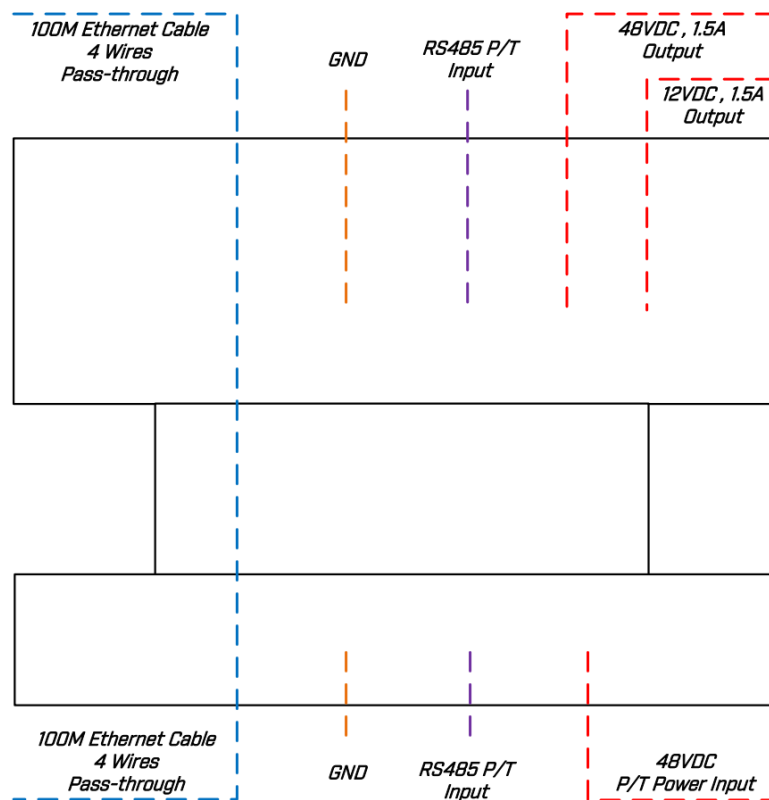


Image Gallery:



FRONT



BACK



TRIPOD