



Key Features:

- Maximum top load capacity 120kg/264lb
- Pan angle: continuous 360°, tilt angle: -45°~+45°
- Pan speed 0.005°/s-15°/s, tilt speed 0.005°/s-7°/s
- Positioning accuracy: ±0.1°
- Double pitch worm gear drive, e-image stabilization and anti-loose
- Self-lock after power failure, strong wind resistance, high stability
- RS485/RS422 control with Pelco P/D protocol
- Support position feedback and absolute control
- Anti-corrosion surface treatment and coating
- Rated IP66 for dust and water ingress

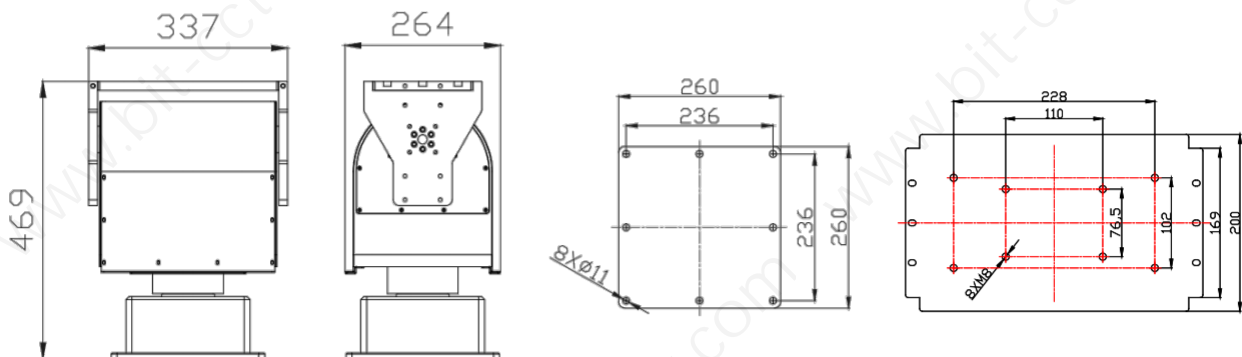
General Description:

BIT-PT8120 is a large size, military level, multi-functional heavy duty pan tilt head positioner with load capacity up to 120kg (264.55lb).

Powered with DC48V and equipped with double pitch worm and gear, it features a minimum speed of 0.005°/s, electronic image stabilization, anti-loose technology, self-lock to make sure smooth and stable view for a long range surveillance.

With IP66 ingress protection design and corrosion resistance surface treatment and coating, BIT-PT8120 is a good choice for application in corrosive environment like the coast.

Dimension:



Blue Icon (Tianjin) Technology Co., Ltd.

F9, Macalline Business Center
No. 29, Heiniucheng Rd.
Hexi District 300210
Tianjin, China

Email: sales@bit-cctv.com

Phone: +86-13920688922

Website: <https://www.bit-cctv.com>

Youtube: <https://youtube.com/@bitcctvsolutions>



Specifications:

Model	BIT-PT8120
Max. Load Capacity	120kg/264lb top load
Rotation Angle	Pan: continuous 360°, Tilt: -45°~+45°
Rotation Speed	Pan: 0.005°/s~15°/s, Tilt: 0.005°/s~7°/s
Preset Accuracy	± 0.1°
Programmable Presets	255
Cruising Track	8, each with 32 preset positions
Scan	8
Position Feedback	Support position query/feedback via RS485 or optional real-time feedback via RS422
Absolute Position	Support
Guard Location	Support with 1 preset or 1 cruising track or 1 auto scan
Power Failure Memory	Support, back to PT position, scan/preset movement before power failure
Self-lock	Support
Start Movement	A series of movements for calibration when the unit is powered on
Protocol	Pelco P/D
Communication Interface	RS485,RS422 or RS232
Baud Rate	2400/4800/9600/19200 bps
Transmission	Worm gear in both pan and tilt
Standard Wiring/Interface	
Pan Tilt Base	100M Ethernet pass-through (4 wire), RS485 input (2 wire), 48VDC input (2 wire), GND
Pan Tilt Top	100M Ethernet pass-through (4 wire), RS485 input (2 wire), 12V DC output (2 wire), 48V DC output(2 wire), GND

General	
Operating Voltage	DC48V±10 %
Power Consumption	≤200W
Lighting Surge Protection	Power: 4000V (line to ground: 4000V, line to line: 2000V) ommunication signal interface: 2000V (line to ground:2000V, line to line: 1000V)
Working Temperature	-40°C~+65 °C
Working Humidity	90±5% RH
Storage Temperature	-40 °C~+70 °C
Protection Level	IP66
Material	Aluminium Alloy
Weight	45kg/99lb
Dimension	337×264×469mm/13.27x10.39x18.46in [L*W*H]

Standard Wiring:

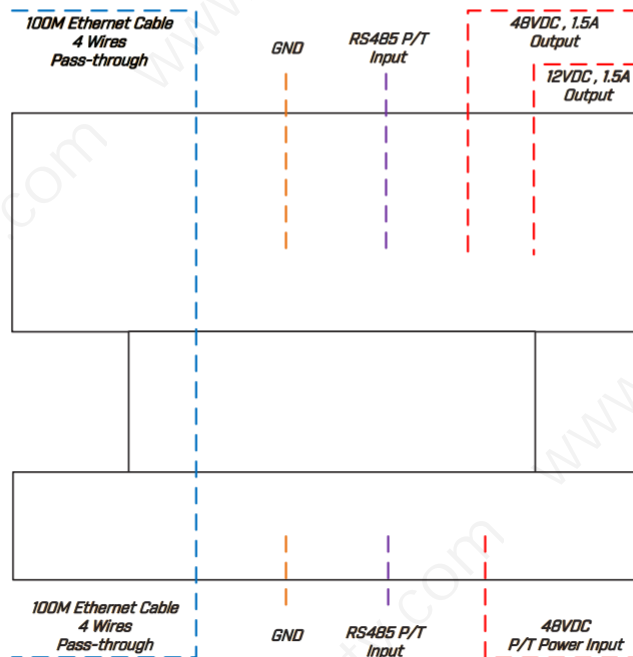


Image Gallery:



FRONT



SIDE



FRONT 2



TRIPOD