BIT-PT503

Mini Size Light Duty Pan Tilt Unit/Positioner
Top Load Capacity 3.5kg/7.72lb



Key Features:

- Mini size, weight only 3.5kg
- Maximum top load capacity 3.5kg/7.72lb
- Pan angle: 0-360°; Tilt angle: -60°~+60°
- Pan speed 0.01~30°/s; Tilt speed 0.01~15°/s
- Preset accuracy: ±0.1°
- High precision stepper motor and tilt worm gear drive
- Support coordinate feedback and control
- 4000V lighting surge protection
- Upside down installation supported
- Rated IP66 for dust and water ingress

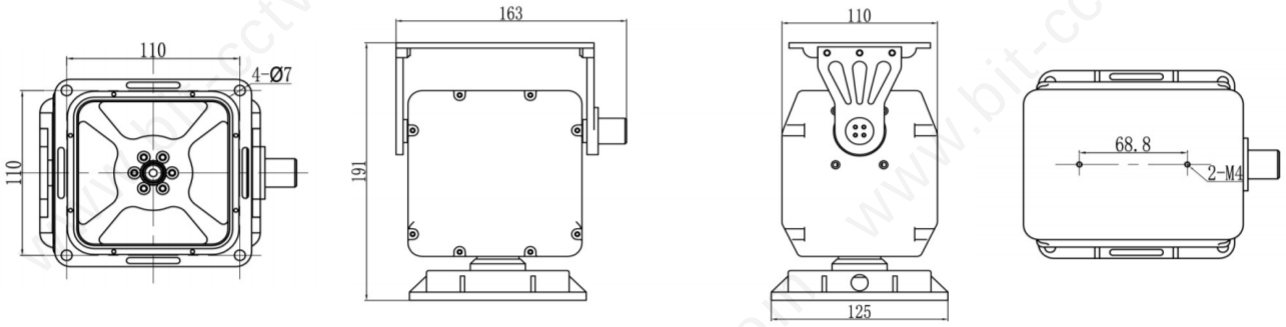
General Description:

BIT-PT503 is mini size light duty pan tilt unit for both indoor/outdoor application. With a maximum 3.5kg/7.72lb load capacity, its pan rotation speed can be up to 30°/s.

Taking advantage of its high precision stepper motor and worm/gear drive mode, it features 0.1 degree positioning accuracy for repeat positioning and extremely low speed control. It also features 360 degree pan rotation and -60°~+60°tilt rotation for wide angle surveillance.

Camera housings are also available for your easy integration with cameras.

Dimension:



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Specifications:

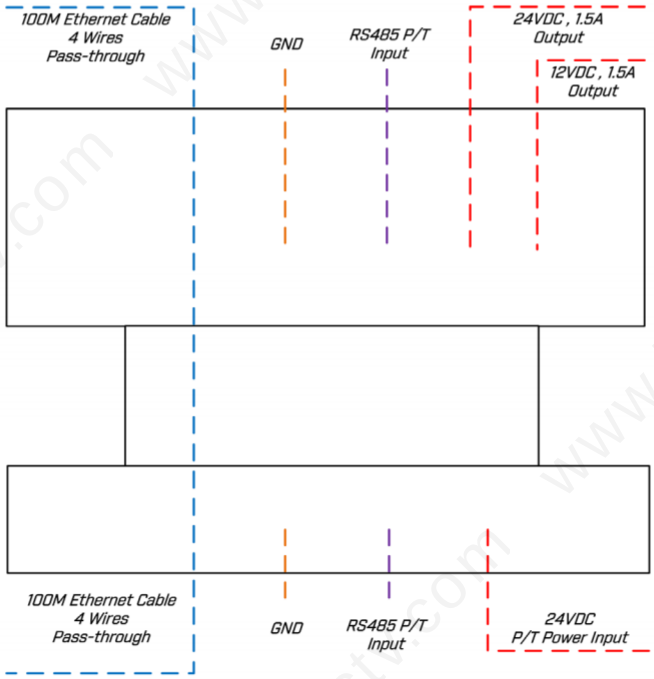
Model	BIT-PT503
Max. Load Capacity	3.5kg/7.72lb top load (Upside down installation supported)
Rotation Angle	Pan: continuous 360°, Tilt: -60°~+60°
Rotation Speed	Pan: 0.01°/s-30°/s, Tilt: 0.01°/s-15°/s
Preset Accuracy	± 0.1°
Programmable Presets	255
Cruising Track	8, each with 10 preset positions
Scan	1
Position Feedback	Support position query/feedback via RS485 or optional real-time feedback via RS422
Absolute Position	Support
Guard Location	Support with a time period of 1-60 mins
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
Standard Wiring/Interface	
Pan Tilt Base	100M Ethernet pass-through (4 wire), RS485 input (2 wire), 24VDC input (2 wire), GND
Pan Tilt Top	100M Ethernet pass-through (4 wire), RS485 input (2 wire), 12V DC output (2 wire), 24V DC output(2 wire), GND

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General	
Operating Voltage	DC24V±10 %
Power Consumption	≤30W
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	-35ºC~+65 ºC
Working Humidity	90±5% RH
Storage Temperature	-40 ºC~+70 ºC
Protection Level	IP66
Material	Aluminium Alloy
Weight	3.5kg/7.72lb
Dimension L×W×H	141×110×199mm/5.55x4.33x7.82in (L*W*H)

Standard Wiring:



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Image Gallery:



FRONT



BACK



SIDE



KEYBOARD

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