BIT CCTV SOLUTIONS
Innovation for a Safer World

Pan Tilt Unit

Key Features:

- Maximum top load capacity 40kg (88lb)
- Pan angle: 0~360°, tilt angle: -45°~-+45°
- Pan speed: 0.01°~30°/S (Optional 60°/s)
- Tilt speed: 0.01°~10°/S (Optional 30°/s)
- Preset accuracy: ±0.1°
- High precision stepper motor, worm and gear drive transmission
- Self-lock with memory after power failure, strong wind-resistance
- Support angle feedback and absolute control
- Support lens preset, adaptive speed to zoom rate
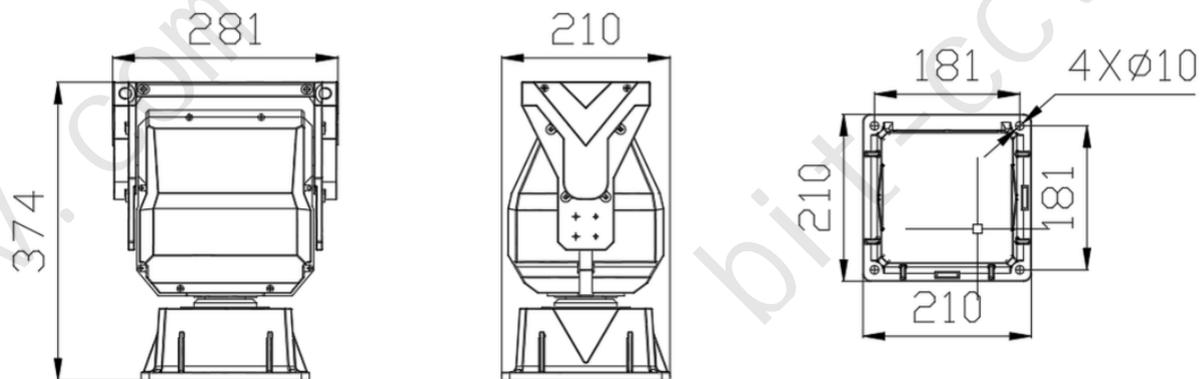- Support analogue or network camera

General Description:

BIT-PT840 high precision variable speed pan tilt head postioner, a medium size unit with maximum top load capacity up to 40kg (88lb).

With worm/gear drive, many advanced control features are available: absolute positioning, coordinate query/readout, Pelco D extended protocol, self-lock, power failure memory, guard location, preset.

Custom services like wiring, painting, connectors are available for your pan tilt system.

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

Dimension:

281 · 374 · 210 · 181 · 4×Ø10 · 210 · 210 · 181

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Pan Tilt Unit

Specifications:

Model	BIT-PT840	
Max. Load Capacity	40kg/88lb top load	25kg/55lb top load
Rotation Angle	Pan: continuous 360°, Tilt: -45°~+45°	
Pan Speed	0.01°/s~30°/s	0.01°/s~60°/s
Tilt Speed	0.01°/s~10°/s	0.01°/s~30°/s
Preset Accuracy	± 0.1°	
Programmable Presets	255	
Cruising Track	8, each with 32 preset positions	
Scan	1	
Position Feedback	Support position query/feedback via RS485 or optional real-time feedback via RS422	
Absolute Position	Support	
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	Ethernet pass-through (8 wire), RS485 input (2 wire), 24VDC input (2 wire), GND	
Pan Tilt Top	Ethernet pass-through (8 wire), RS485 input (2 wire), 12V DC output @1.5A (2 wire), 24V DC output @1.5A (2 wire), GND	

General	
Operating Voltage	DC24V±10 % or DC48V±10 %, 50/60Hz
Power Consumption	≤100W
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	-35ºC~+65 ºC
Working Humidity	90±5% RH
Storage Temperature	-40 ºC~+70 ºC
Protection Level	IP66
Material	Aluminium Alloy
Weight	17kg/37lb
Dimension	281×220×375mm/11.06x8.66x14.76in (L*W*H)

Standard Wiring:

Ethernet Cable 8 Wires Pass-through
GND
RS485 P/T Control Input
24VDC , 1.5A Output
12VDC , 1.5A Output

Ethernet Cable 8 Wires Pass-through
GND
RS485 P/T Control Input
24VDC P/T Power Input

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