

PT1250DC Pan/Tilt

OUTDOOR, HEAVY DUTY

Product Features

- 115 VDC Operation
- Optional Preset Positioning Capability
- Heavy Duty Adjustable Worm-Gear Final Drive
- Capable of Auto Scan and Variable Speed Operation when Used with Appropriate Control
- Outdoor Applications
- Rugged Aluminum Construction
- Maximum Load 100 Pounds (45.4 kg)

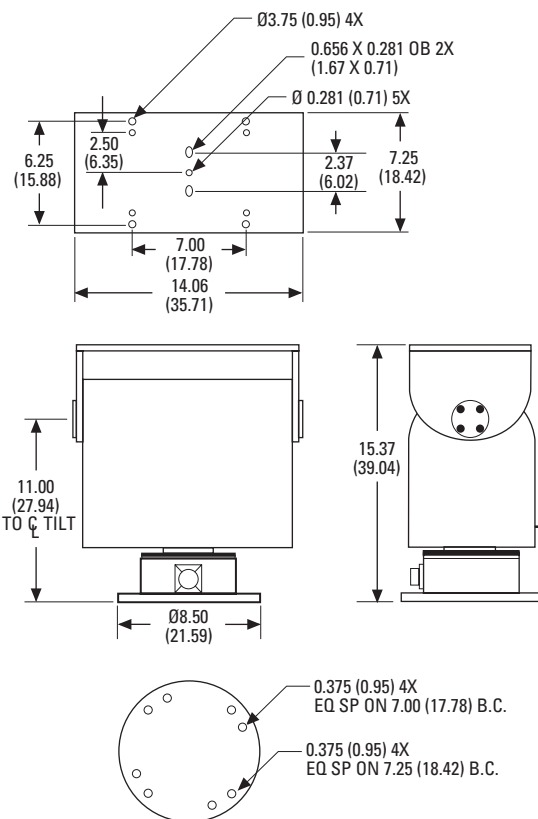


The **PT1250DC** is a heavy duty pan/tilt, ruggedly constructed to comfortably operate with loads up to 100 pounds (45.4 kg). High torque D.C. motors with heavy duty adjustable worm-gear final drive assemblies eliminate backlash and drifting. Equally important to the operator is dynamic braking for instantaneous stopping.

The **PT1250DC** is capable of auto scan and variable speed operation with the addition of the appropriate Pelco solid-state control modules. No additional conductors are required for either optional control module.

Extremely serviceable, the **PT1250DC** features easy access to all electrical and mechanical components.

The **PT1250DC** is manufactured from cast and plate aluminum with all internal parts corrosion-protected steel or aluminum. Limit stops are externally adjustable for ease of installation.



NOTE: VALUES IN PARENTHESES ARE CENTIMETERS;
ALL OTHERS ARE INCHES.



TECHNICAL SPECIFICATIONS

MODELS

PT1250DC	Heavy duty pan/tilt, 115 VDC
PT1250DC/PP	Same as PT1250DC except has position feedback modification. Requires preset control

MECHANICAL

Pan	0-355° movement in horizontal plane
Speed	6°/sec $\pm 1^\circ$
Tilt	$\pm 90^\circ$ movement in vertical plane
Speed	3°/sec $\pm 0.5^\circ$
Maximum Load	100 lb (45.4 kg) at 5" (12.7 cm) from tilt table surface to center of gravity
Gearing	Adjustable worm-gear final drive
Bearings	
Pan	Heavy duty ball bearings
Tilt	Oilite bronze bushing
Braking	Dynamic for instantaneous stopping

ELECTRICAL

Input Voltage	115 VDC
Power Requirements	
(Running)	Pan 0.30A (34 VA) Tilt 0.30A (34 VA)
(Starting)	Pan 0.44A (51 VA) Tilt 0.44A (51 VA)
Connectors	Amp CPC type (mate supplied)
Motors	115 VDC permanent magnet
Limit Switches	5A each (pan and tilt); external adjustment
Conductor Requirements	6, unshielded (functions: left, right, up, down, motor common, safety ground). (No additional conductors for auto scan or variable speed. PP option requires additional 4 conductors.)
Cable Distances	6 Conductors
	20 AWG (0.5 mm ²) 635 feet (193 m)
	18 AWG (1.0 mm ²) 1,015 feet (309 m)
	16 AWG (1.5 mm ²) 1,610 feet (490 m)
	Distances are calculated with both motors (pan and tilt) running and assuming a 10% voltage drop in the cable.

GENERAL

Construction	Aluminum casting and plate
Finish	Gray polyester powder coat
Environment	Outdoor operation; -10° to 120°F (-23° to 49°C)
Unit Weight	55 lb (25 kg)
Shipping Weight	59 lb (26.7 kg)

RECOMMENDED CONTROLS

MPTV1510DT	Desktop control with variable speed operation for 115 VDC pan/tilts. Not compatible with PT1250DC/PP model.
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RECOMMENDED ENCLOSURES

EH5700 Series	Environmental enclosure, large
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RECOMMENDED MOUNTS

PA2010	Adapter plate; required when using WM2000.
PM2000, PM2010	Ceiling/pedestal mount; maximum load 125 lb (56.7 kg).
ST1	Support strut for WM2000/PM2000/PM2010.
WM2000	Wall mount; maximum load 75 lb (34 kg). When used with ST1 support strut, maximum load is increased to 150 lb (68 kg). Must be used with PA2010 adapter and ST1 strut.
WM3026	Wall mount with adjustable head; maximum load 300 lb (136 kg).



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