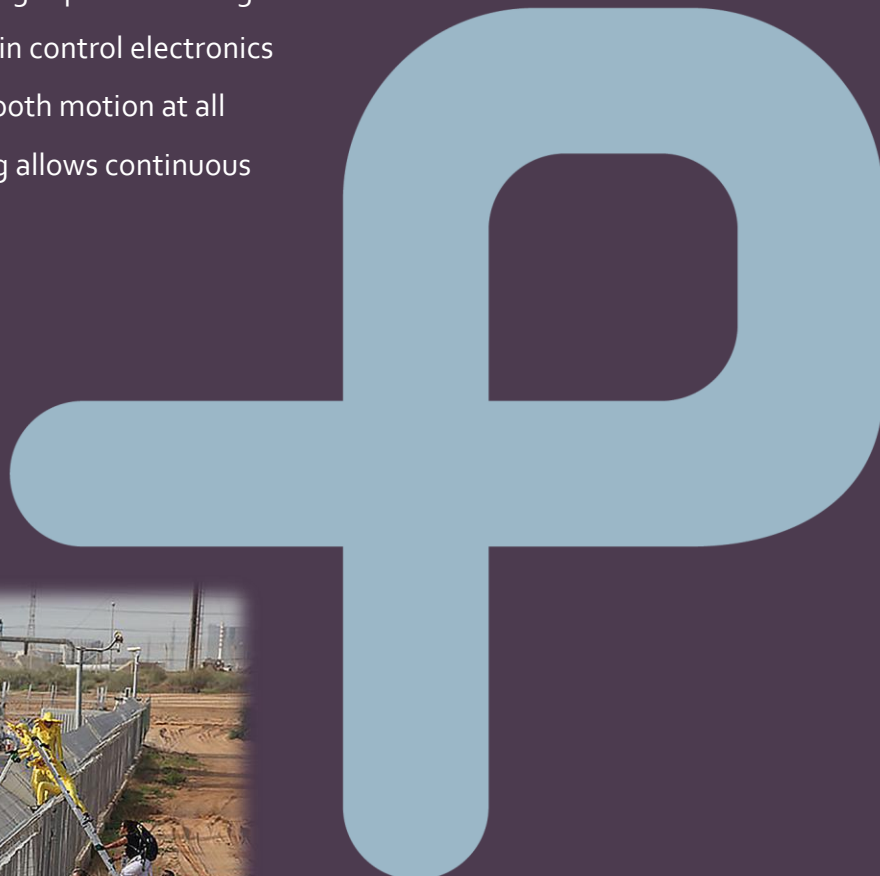


SERVAL PAN & TILT SYSTEM

The SERVAL is a small and light weight pedestal designed for observation applications. Built-in control electronics and software provides precise, smooth motion at all speeds, while an integrated slipping allows continuous rotation of the pan axis.



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SERVAL PAN & TILT SYSTEM, General Specification

Product Line: SERVAL	
Type	T- Shape
Payload Type	Camera
Azimuth / Pan movement	Nx360°
Elevation / Tilt movement	Up to ±90°
Self-Weight [kg]	~3
Control mode	Speed / Position
Communication	Ethernet TCP / RS485
Environmental protection	IP65, Humidity, Temperatures & more...
Power consumption [V] [A]	24V & 4Amp
max Payload (balanced) [kg]	-
Max Acceleration [°/Sec ²]	100
Speed (balanced) [°/Sec]	0.1-40
Position Accuracy [°]	±0.1
Position Sensor Encoder	Incremental
Resolution [°]	0.0007
Stabilization systems	
Stabilization Accuracy [°]	±1
Stabilization Sensor	IMU
Tracker systems	
GPS Stabilization by Datum point	-
GPS Units	-

(*) Payload dependent

(**) mechanics & power dependent

(***) mass, balance & power dependent

SERVAL PAN & TILT SYSTEM, GUI Pannell

Parameter	Specification	Notes
Communication	Ethernet (TCP)	
Operation mode	Manual	
Control mode	Speed / Position	
Operation	Manual arrows controlled by user	
Presets	Up to 15 saved points	
Register Status	Online state of system registers	
Software limit switches	User defined software limit switches for both axes	
Homing	Homing position declaration	
IP Setting	Ability changing system IP addresses & port	

SERVAL PAN & TILT SYSTEM, MICD

