

SentryPODS Spartan Solar Skid

Camera	
Type	PTZ
Image sensor	1/2.8" progressive scan CMOS
Lens	Varifocal ,4.3–137.6 mm, F1.4–4.0 Horizontal field of view: 58.3°–2.4° Vertical field of view: 34.9°–1.3° Auto-focus, auto-iris
Day and night	Automatically removable infrared-cut filter
Minimum illumination	Color: 0.106lux at 30 IRE F1.64 B/W: 0.008 lux at 30 IRE F1.4, 0 lux with IR illumination ON Color: 0.09 lux at 50 IRE F1.4 B/W: 0.01 lux at 50 IRE F1.4, 0 with IR illumination ON
IR illumination	850nm IR LEDs Range of 200m or more depending on scene
Shutter time	1/66500 s to 2 s
Pan/Tilt/Zoom	Pan: 360° endless, .05°–700°/s Tilt: +20 to -90°, .05°–500°/s 32x optical zoom, 12x digital zoom, total 384x zoom Nadir flip, 256 preset positions, Tour recording, Guard tour, Control Queue, On-screen directional indicator, Set new Pan 0°, Adjustable zoom speed, Speed dry
Power	PoE: typical 10.3w, max 51w
Type	Multi-Head
Image sensor	4x 1/2.8" progressive scan RGB CMOS
Lens	Varifocal, 3.2–8.1 mm, F1.9–3.2 Horizontal field of view: 108°–40° Vertical field of view: 55°–23° Diagonal field of view: 131°–46° Fixed iris, Motorized focus & zoom
Day and night	Automatically removable infrared-cut filter
Minimum illumination	Color: 0.154lux at 50 IRE F1.9 B/W: 0.0 lux at 50 IRE F1.9, 0 with illumination
Shutter time	1/31500 s to 1.5 s
Camera Angle Adjustment	Pan ±90°, tilt +25 to +95°, rotation –5 to +95°, twist ±20°
Power	PoE: typical 9.5w, max 23.15w

Router	
Type	5G/4G, WiFi, GPS
Carriers	All North American carriers Europe & Asia Pacific
Ethernet Ports	4
Power	9-33VDC

Solar Controller System	
PV Input	100V Maximum
Battery Charge	12V/24V Selectable 50A Max Current
Inverter	Input: 24VDC Output: 115VAC@250VA
Features	Custom Charging Profiles Remote Monitoring

Antenna	
Type	7-in-1 (GPS + 4 cellular + 2 WiFi)
Cables	2ft
Connectors	GPS: SMA Cellular: SMA WiFi: RP-SMA

Battery System	
Chemistry	AGM
Capacity	4x 2,880Wh (11,520Wh per unit)
Charging	28.8V@50A
Discharge	Nominal: 24VDC Max voltage: 28.8VDC Minimum voltage: 21VDC
Cycles	~500, or 2 operating years

Panels	
Type	3x Mono-crystalline half-cut cells
Dimensions	82.5" x 41" x 1.38"
Power	450W per panel (1,350W per unit) V _{OC} : 50V V _{MP} : 41.1V I _{SC} : 11.83A I _{MP} : 10.96A

Frame	
Material	Steel
Dimensions	Base: 48" x 58" Panels: 82" x 123" Max Height: 92"

Enclosure	
Material	Aluminum
Dimensions	50" x 38" x 26"
IP Rating	54

Mast	
Type	Hand Crank
Locking Method	Cord Retention
Max Head Load	50 lbs.
Height	16.4 feet

General	
Weight	Approx. 1,200 lbs.
Max Dimensions	96" x 56" x 96" when collapsed
Power Use	48W typical, 120W maximum
Operating Temp	-20°C to 60°C 0°C to 50°C optimal

