

# White Knight

## Rapid Deployment Solar Surveillance Cart



### Product Highlights

Rapid deployment

Compact footprint

Unmatched maneuverability

Off-grid 24/7 operation

Telescoping mast

Rugged weatherproof build

Pre-wired connectivity

Secure equipment cabinet

Wide operating temperature range

### Overview

A fully self-contained, solar-powered security platform built for rapid deployment and dependable operation. Featuring a telescoping mast, high-capacity battery storage, compact footprint, and durable construction, it provides continuous monitoring in virtually any environment. Ideal for construction sites, public events, and remote locations.





## General Information

<b>Model</b>	white-knight
<b>Type</b>	Solar Surveillance Cart
<b>Certifications</b>	CE, ISO9001



## Physical Specifications

<b>Dimensions (mast down)</b>	3.28 ft × 2.13 ft × 6.56 ft (1000 x 650 x 2000 mm)
<b>Dimensions (mast extended)</b>	3.28 ft × 2.13 ft × 13.12 ft (1000 x 650 x 4000 mm)
<b>Weight</b>	551 lbs (250 kg)
<b>Tire Size</b>	10 in (254 mm)
<b>Trailer Type</b>	Hand-push cart
<b>Max Load Capacity</b>	661 lbs (300 kg)
<b>Paint Finish</b>	Hot dip galvanized, powder-coated twice



## Power & Runtime

<b>System Voltage</b>	DC 12V
<b>Run Time (80W load)</b>	23 hours
<b>Charge Time</b>	10 hours
<b>Wind Rating</b>	80.5 mph (36 m/s)
<b>Projection Level</b>	IP65
<b>Operating Temperature</b>	-13°F to 140°F (-25°C to 60°C)



## Solar System

<b>Solar Panels</b>	2 × 100W Monocrystalline
<b>Total Output</b>	200W
<b>Panel Efficiency</b>	22%
<b>Panel Dimensions</b>	42.2 in × 19.6 in × 1.38 in (1072 × 498 × 35 mm)
<b>Panel Weight</b>	14.1 lbs each (6.4 kg)
<b>Panel Operating Temperature</b>	-40°F to 185°F (-40°C to 85°C)
<b>Solar Controller</b>	Victron SmartSolar MPPT 100/20



## Battery & Power Management

<b>Battery</b>	1 × 200Ah Lead Acid, DC 12V
<b>Battery Life</b>	50,000 hours
<b>Battery Monitor</b>	BMV-712 Smart
<b>Inverter</b>	Victron 12/250 120V VE.Direct (NEMA 5-15R)



## Mast & Camera Mount

<b>Mast Type</b>	Manual telescopic, 3-stage galvanized steel
<b>Extended Height</b>	13.12 ft (4 m)
<b>Operation</b>	Hand winch (1200 lbs)
<b>Max Payload</b>	110.2 lbs (50 kg)
<b>Camera Mount</b>	Hexagon box
<b>Coil Cable</b>	2 x CAT6 + 4 x 14-gauge



## Dimensions

Cameras pictured are for demonstration purposes only.

