

# TERRAIN360 SENTINEL

## Solar-Powered Starlink Remote Connectivity System

Pricing & Configuration Options

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### System Overview

The Terrain360 Sentinel is a self-contained, solar-powered Starlink installation designed for remote park, trail, and conservation locations with no existing connectivity. It delivers reliable high-speed internet completely off-grid, enabling live trail cameras, real-time environmental monitoring, digital kiosks, and interactive trailhead experiences.

The Sentinel is purpose-built for agencies managing large trail and park networks. Whether deploying across U.S. Forest Service lands, state park systems, or local recreation areas, each unit is a standalone system that can be installed in any configuration and managed remotely from a central dashboard.

### Sentinel — \$6,200 per unit

*Complete off-grid Starlink connectivity with solar power and extended battery. Everything you need for reliable remote internet at any site.*

Component	Details
Starlink Satellite Terminal + Router	High-speed satellite internet
200Ah LiFePO4 Battery System	~7 days runtime without solar
200W Solar Panel Array	Expandable to 600W
Victron Solar Charge Controller	Smart MPPT charging
Weather-Resistant Enclosure	-40°F to 140°F operation
Pole Mount Hardware	Included
Cabling, Connectors & Surge Protection	Included
<b>Per-Unit Price</b>	<b>\$6,200</b>

### Sentinel + Camera — \$7,500 per unit

*Everything in the Sentinel package, plus a 24/7 PTZ camera for live trail monitoring, wildlife observation, security, and visitor engagement.*

Component	Details
Everything in the Sentinel package	See above

PTZ Camera with Heating/Cooling	All-weather, full pan/tilt/zoom
Motion Detection & Alert System	Configurable zones and triggers
30-Day Cloud Video Retention	Included in monthly service
Camera Control Interface & Clip Management	Included in monthly service
<b>Per-Unit Price</b>	<b>\$7,500</b>

## Add-On: Environmental Sensor Package

Add remote environmental monitoring to either package. Sensor configurations are customized per site based on your monitoring needs.

Capability	Details
Weather Station	Temperature, humidity, wind, barometric pressure
Water Level / Stream Gauge	Real-time level monitoring with alerts
Air Quality Sensors	PM2.5, PM10, ozone (optional)
Soil Moisture Monitoring	For habitat & conservation programs
Custom Sensor Integration	Any sensor with serial/digital output
Data Transmission	Automated to your remote server via Starlink
<b>Sensor Package Price</b>	<b>Custom Quote</b>

## Installation

We handle full installation anywhere in the lower 48 states. Every install includes site survey, hardware setup, connectivity testing, and system commissioning. For multi-site deployments within the same region, we offer reduced installation rates.

Deployment Type	Standard (1–4)	Regional 5+ Sites
Permanent Pole Mount	\$2,500/site	\$2,000/site
Building / Wall Mount	\$2,500/site	\$2,000/site
Temporary Telescoping Pole	\$2,500/site	\$2,000/site
Mobile Rolling Cart	\$2,500 + cart	\$2,000 + cart
Integration into Existing Power	Custom Quote	Custom Quote

Regional pricing applies when 5 or more units are deployed within the same state or region, allowing us to consolidate installation trips.

## Monthly Service & Maintenance — \$330/mo per unit

Included in Monthly Service	\$330/mo per unit
Starlink Connectivity (unlimited data)	
Cloud Storage & 30-Day Video Retention	
Data Transmission & Sensor Data Export	
Platform Access & Camera Control Interface	
Software Updates & Remote Monitoring	
Email & Phone Technical Support	
1 Annual On-Site Visit per Unit (maintenance/troubleshooting)	

## Per-Site Cost Summary

Single-site pricing (1–4 units):

### A. Sentinel (Connectivity Only)

Sentinel Package	\$6,200
Professional Installation	\$2,500
<b>Total per Site</b>	<b>\$8,700</b>
<b>Monthly Service</b>	<b>\$330/mo</b>

*Ideal for: trailhead Wi-Fi, digital kiosks, remote internet access at visitor centers.*

## B. Sentinel + Camera

Sentinel + Camera Package	\$7,500
Professional Installation	\$2,500
<b>Total per Site</b>	<b>\$10,000</b>
<b>Monthly Service</b>	<b>\$330/mo</b>

*Ideal for: trail monitoring, wildlife cameras, security, live trail cams for visitor engagement.*

## C. Sentinel + Camera + Sensors

Sentinel + Camera Package	\$7,500
Environmental Sensor Package	Custom Quote
Professional Installation	\$2,500
<b>Total per Site</b>	<b>\$10,000 + sensors</b>
<b>Monthly Service</b>	<b>\$330/mo</b>

*Ideal for: full-featured trailhead hubs with live environmental data, weather stations, stream gauges, and real-time camera views.*

## Multi-Site Deployment Pricing

For agencies deploying across multiple locations, we offer volume pricing on both hardware and installation to support scaled rollouts across Forest Service, state, and local park networks.

### Volume Pricing at a Glance

Quantity	Install/Site	Sentinel	Sentinel + Cam
1–4 units	\$2,500	\$6,200	\$7,500
5–10 units	\$2,000	\$6,014 (3% off)	\$7,275 (3% off)
11+ units	\$2,000	\$5,890 (5% off)	\$7,125 (5% off)

*Regional installation discount (\$2,000/site) applies when 5+ units are deployed within the same state or region. Monthly service remains \$330/mo per unit at all quantities.*

### Example: 10 Sites in Oregon with Camera

Item	Total (10 Sites)
Sentinel + Camera (10 x \$7,275 at 3% volume)	\$72,750
Regional Installation (10 x \$2,000)	\$20,000
<b>Total Hardware + Installation</b>	<b>\$92,750</b>
<b>Monthly Service (10 x \$330)</b>	<b>\$3,300/mo</b>
<b>Annual Service Cost</b>	<b>\$39,600/yr</b>

**Savings vs. standard single-site pricing: \$7,250 on this deployment.**

### Example: 20 Sites in Oregon with Camera

Item	Total (20 Sites)
Sentinel + Camera (20 x \$7,125 at 5% volume)	\$142,500
Regional Installation (20 x \$2,000)	\$40,000
<b>Total Hardware + Installation</b>	<b>\$182,500</b>
<b>Monthly Service (20 x \$330)</b>	<b>\$6,600/mo</b>
<b>Annual Service Cost</b>	<b>\$79,200/yr</b>

**Savings vs. standard single-site pricing: \$17,500 on this deployment.**

### Additional Multi-Site Benefits

- ✓ Centralized management dashboard for all units across agencies

- ✓ Annual prepay discount available on monthly service
- ✓ Extended video retention (90+ days) available
- ✓ Dedicated account manager for multi-agency deployments
- ✓ Phased rollout support — deploy in waves across sites and seasons
- ✓ 24/7 priority support tier available

## Next Steps

We would love to discuss which sites and configurations make sense for your network. Whether you are starting with a pilot at a handful of locations or planning a broader rollout across Forest Service, state, and local parks, we can build a deployment plan that fits your timeline and budget.

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