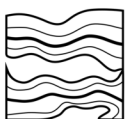# SkyGuard Tethered

SkyGuard Tethered delivers a reliable, high-performance solution for security, inspection, and event operations. Designed for continuous monitoring, these systems provide 4K and infrared camera perspectives to both local and remote command centers with an average latency of just 30 milliseconds, ensuring real-time awareness.

SkyGuard tethered drones enhance operations across a wide range of security and inspection profiles, from routine site monitoring to crowd intelligence at large events. The platform is easy to deploy and powerful enough to support critical operational needs, providing near-real-time connectivity that links ground teams with remote command centers. With integrated infrared and edge AI capabilities, SkyGuard offers versatile enhancements that make it a **comprehensive tool for modern security and inspection operations.**

- Local and remote operation capabilities
- 30-mile visual and radio line of sight @ 700 ft. AGL
- Edge processing & real-time AI analytics
- Fiber Optic-based telemetry, communications & video
- Stealth Mode: Low signature sound operations
- High-Definition video: 4K + IR sensors

- Laser range finder with precision GPS targeting
- GNSS denied operations, takeoff, and landing
- Interoperability with existing military systems such as C4ISR
- (command & control)
- Light-weight and transportable
- In motion operations

LANDSKYAI
The Future of Autonomous Security

An All-Inclusive Tethered Drone Solution

Ground Control Base
- All-weather station with high-speed data & video transmission, system control, and 110/220V AC power.

Tethered Drone Unit
- Operates up to 400 feet AGL with extended flight time and local & remote operation capabilities.

Command & Control Software
- Optimized for flight dynamics and viewing, enabling remote drone operations with flexible camera and flight controls.

Supported Payloads

Communications Relay
Satellite and in-motion systems support MANET mesh radios, enabling a robust network for seamless, mission-critical connectivity in tactical scenarios.

Accessories
Integrating drone-compatible accessories like loudspeakers and spotlights enhances versatility, enabling search illumination and critical communication beyond surveillance.

Advanced EO/IR Payloads
This system features a 4K zoom camera with 240x zoom, a 640×512 radiometric thermal camera (≤50 mK sensitivity), and a laser rangefinder measuring up to 2400m.
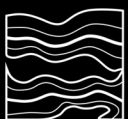
Advanced AI Analytics
AI Detection: Tracks and classifies objects for precise recognition.
AI Auto Zoom: Adjusts dynamically for optimal views, reducing operator workload with advanced AI analytics.
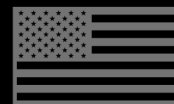
Radar & Laser Rangefinder
This system features a precise laser rangefinder (0.1–0.5m accuracy) with up to a 2,400m range. Integrated GPS enables accurate target detection for rescue and security missions, including C-UAS and perimeter monitoring.

LandSkyAI
The Future of Autonomous Security
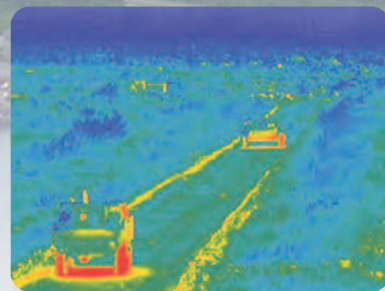
Follow us on

www.landsky.ai
info@landsky.ai

Proudly founded and operated out of the U.S.

Electro-Optical Camera

4K/UHD camera with 25x optical zoom and 240x total zoom, featuring HDMI, fiber optics, and IP outputs, compatible with Gremsy, Nextvision, and others.

Electro-Optical & Infra-Red Camera

Autonomous target detection in real-time, object recognition, laser range finding, AI/IR capabilities, and GPS positioning with tracking.

SkyGuard Tethered **Visual Range | 1+ Mile**

Distance: 1+ Mile

LandSkyAI
The Future of Autonomous Security

www.landsky.ai
info@landsky.ai

Follow us on

Proudly founded and operated out of the U.S.

— 66

*We make the adoption of robotics *simple**

Virtual
Guard

VirtualGuard is an all-inclusive solution that combines human expertise with integrated hardware and software to deliver a fully automated, end-to-end platform. Its true value lies in the synergy of these components, giving customers a streamlined and efficient system backed by continuous support.

Eliminating all the hurdles to adoption. **Let's Fly.**

Install Support & Training

Mapping & Site Survey

Patrol Planning & Programming

Remote Piloting & Waivers

Preventative Maintenance & Support
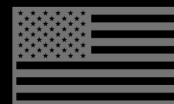
Analytics & Reporting

LandSkyAI App

Interested in a **Live Demo**? Contact our Team today so you can see us in action!

LANDSKYAI
The Future of Autonomous Security

www.landsky.ai
info@landsky.ai

Follow us on

Proudly founded
and operated
out of the U.S.