



Terra Hexen Technology Introduction



TERRA HEXEN
DRONE DETECTION AND NEUTRALIZATION SYSTEMS

C O M P A N Y & P R O D U C T S



About Us

The Terra Hexen Group was founded in 2016 and gathers the best engineers, experts, specialists, analysts and counsellors operating in the broadly understood drone and anti-drone industry.

Our offer includes advanced drone detection and neutralisation systems, excellent inspection drones for supervising flood walls, fields, bridges, petroleum pipelines, gas pipelines or power lines, as well as underwater drones. We are the first company in the world to have designed an original auditing system for critical infrastructure protecting against drone-related hazards and we have developed a DRONE NOTE, application for recording all drones incidents, dedicated to first response services.

The demand for *anti-drone solutions* is rising noticeably.

Warship Escort



Troops Protection



On-the-Move Protection

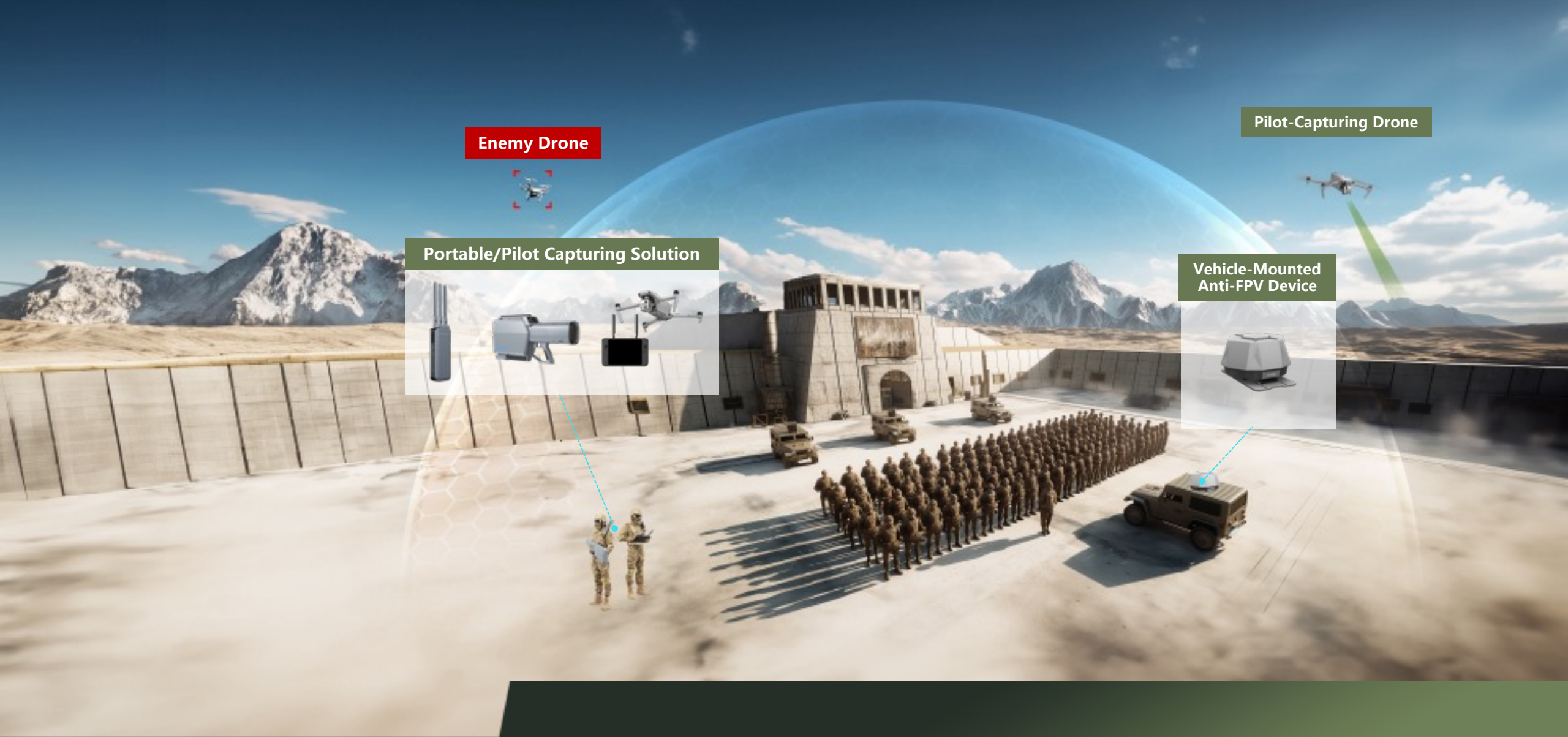


Restricted Area



VIP Protection





Enemy Drone

Pilot-Capturing Drone

Portable/Pilot Capturing Solution



Vehicle-Mounted Anti-FPV Device



VIP Protection

To safeguard the VIPs during vehicular travel and patrols, we've taken multiple steps against drone threats. We use vehicle-mounted anti-FPV devices for convoy safety and handheld jammers for foot patrols. Our system locates drone operators, allowing us to deploy our own drone for pinpointing and apprehension. This ensures comprehensive risk elimination.



Enemy Drone

24/7 Unmanned Surveillance

Blind Spot Coverage / Pilot Capture

Pilot-Capturing Drone

Enemy Pilot

Restricted Area Control

For fixed locations such as military bases, naval ports, and island encampments, our SRP100 Optoelectronic Detection solution and SFL100 jamming system can offer 24/7 surveillance and protection, capable of operating unmanned in all weather conditions. To address blind spots caused by buildings, our portable solution can supplement coverage in these areas. In addition, by deploying a Pilot Positioning solution within our guards, we're able to track and apprehend enemy pilots effectively.



Enemy Drone

Enemy Suicide Unmanned Boat



Warship Escort

In response to potential drone surveillance and particularly FPV drone attacks on naval vessels, we have introduced a comprehensive fixed C-UAS for naval deployment. This system involves integrating optoelectronic detection, radio frequency detection and jamming capabilities, along with FPV countermeasures and GNSS spoofing systems, allowing for 24/7 unmanned surveillance and protection. For smaller naval vessels where the installation of a fixed system is not feasible, we propose the use of a portable solution that combines detection, jamming, and GNSS spoofing capabilities.




**Vehicle-Mounted
Anti-FPV Device**



Portable C-UAS Solution



Enemy FPV



Beachhead Landing

To mitigate the threat of enemy surveillance or attack by FPV drones in intense battle situations such as beachhead landings, we propose deploying our vehicle-mounted anti-FPV solution on platforms like Amphibious Landing Vehicles and other tactical vehicles. This solution forms a mobile protective radius of approximately 1 kilometer, safeguarding against kamikaze FPV drones. Additionally, squad compositions could feature personnel equipped with our portable C-UAS solutions, ensuring an enhanced layer of security for the squad's airspace.



SKYSHIELD COMMAND & CONTROL SYSTEM



Continually Upgrading
& Future Resistant



Customization
& Flexible Configuration



Real-time Monitoring
& Live Video Feeds



Fully Compatible
& Easy Integration

Sniper-SFL100

The Sniper-SFL100 is engineered for radio frequency detection and jamming to intercept medium-to-long-range drone threats, offering extensive, all-weather anti-drone capabilities. Moreover, its detection and location module can deliver real-time data on the drone and its pilot's location, facilitating precise jamming.

Features



24/7 unmanned surveillance and protection



Full coverage of frequency bands, with upgradable software



User log feedback



Ability to compel drones to return or land



Spotter-SRP100

The Spotter-SRP100 is capable of conducting radar surveillance on intruding drones, continuously tracking potential targets, assessing threats, securing evidence through visible light and infrared optical systems, and reporting orientation and distance data related to the drone.

Features



Fast lock,
stable tracking



24/7 unmanned
surveillance



Accurate
identification,
smart perception,
and early warning



Real-time and
highly accurate
positioning



Defender-*DPH100*

DPH100 is an X-band pulse Doppler AESA radar with high-precision detection and positioning for low-altitude flying objects in all weather conditions. Its four radar arrays ensure hemispherical detection, eliminating blind spots. Versatile and integrable with both mobile and fixed platforms, DPH100 can support various missions and, when paired with electro-optical systems, provide precise target location for jammers.



Features



5km detection range for SUAV
(RCS: 0.01m²)



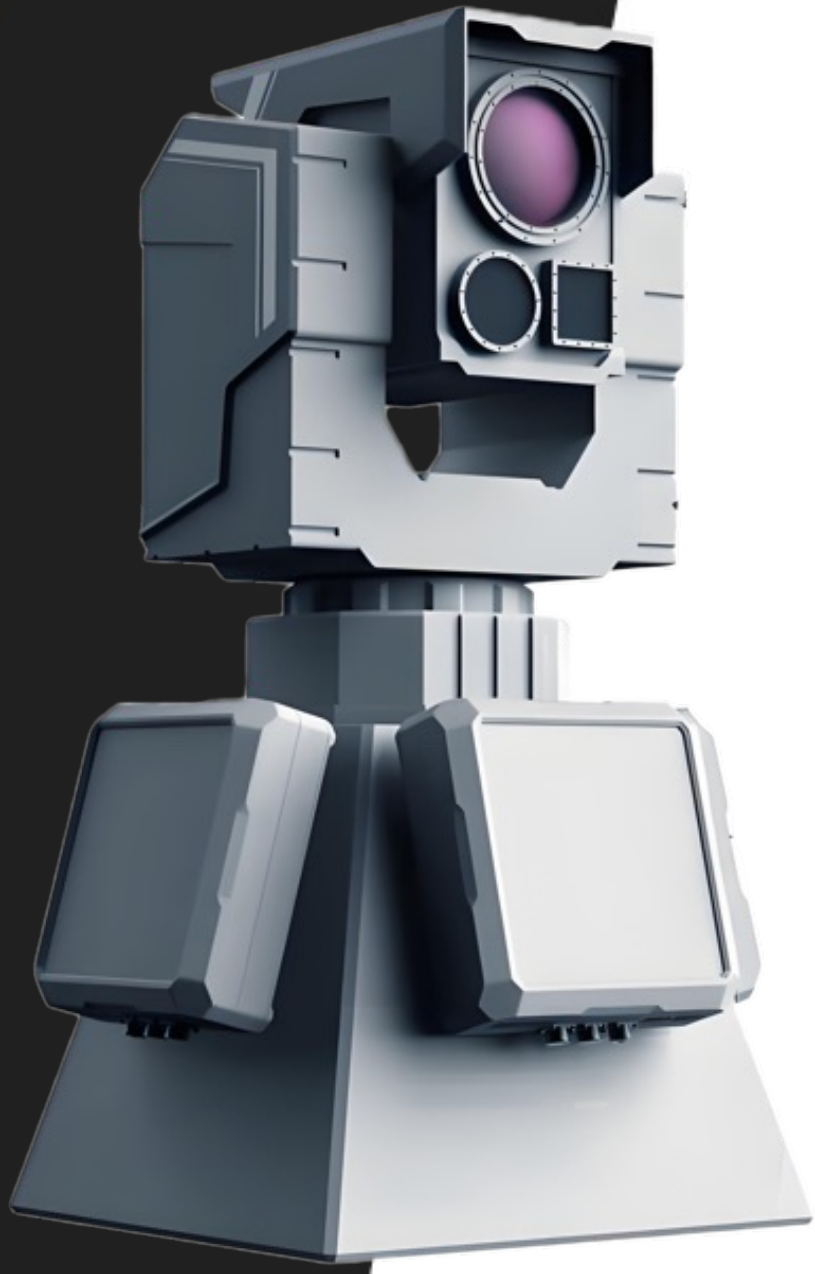
Detection Speed:
0~100m/s



Max Tracking Qty:
20 (TAS)
200 (TWS)



7/24 All-weather
Detection



Blaster-BPH100

The BPH100 Intelligent Anti-Drone Laser Strike Solution is designed to counter illegal or potentially threatening micro-drones, especially FPVs. It utilizes advanced laser technology and AI algorithms to analyze real-time drone data, predicting their flight paths and preemptively targeting them. This system offers rapid and precise drone detection and interception compared to traditional methods, with higher accuracy and cost-effectiveness, covering larger areas at faster speeds.

Features



High-power
interception
 $\geq 1.0\text{km}$



Detection Range:
Optical Camera $\geq 2\text{km}$
Radar $\geq 5\text{km}$



Target tracking
precision $\leq 20\mu\text{rad}$,
even in cluttered
environments.



Modular structure
allows rapid
deployment and
mobility.

Hunter-SHH100

Hunter-SHH100 is a versatile handheld jammer that effectively detects, identifies, and intercepts drone threats. It offers exceptional effectiveness against a wide range of UAVs and can disrupt multiple drones' control link, navigation, and video transmission simultaneously. Its compact size and user-friendly interface make SHH100 the ultimate counter-drone solution for high-mobility counter-drone tasks.



Features



Integrated detection and jamming, 3km jamming, 2km detection



Automatic frequency band adaptation



Drone data base upgradeable, sustainable upgrades



Touch screen operation, data visible

Blader-SPS100/110

The Blader-SPS100 is a portable jammer designed for SUAVs. Equipped with countermeasures targeting flight control, map transmission, and GNSS bands, it can intercept drones or compel them to crash, in conjunction with the SSH100.

Features



Covering mainstream drone models, efficient jamming



Integrable with spoofer



Low SWaP-C





Spoofers-SSH100

The Spoofers-SSH100 is a cutting-edge GNSS navigation spoofing device specifically designed for SUAVs. Its main function is to enforce area denial, redirect drones to predetermined orientations, and manipulate their flight paths to specified locations. When integrated with radar, spectrum detection devices, and jammers, it can induce drone crashes or compel them to land at specified sites.

Features



24/7 unmanned surveillance and protection



Full coverage of frequency bands, with upgradable software



User log feedback



Ability to compel drones to return or land



Tracer/ Tracer Pro

STS100/STS110

Tracer utilizes spectrum detection and protocol analysis* technologies to capture information from drones, enabling detection of most drone models.

Note: Protocol analysis is a proprietary function of Tracer pro.*

Features



Comprehensive and continually updated database



Exceptional detection performance



Capable of estimating FPV attack targets



Stable and reliable

Portable Solution

Integrating Jamming, Detection, and Spoofing

To counter the reconnaissance or attack threat posed by commercial drones/FPV in intense battle situations, we introduce a portable solution that integrates jamming, detection, and spoofing capabilities.

Features

- Covering a complete counter-drone workflow:
 - (1) Early warning (STS100 spectral detector is capable of detecting commercial drones and FPVs)
 - (2) Predicting the enemy's intentions (STS100 decrypts the FPV video stream, aiding in understanding the enemy's intentions.)
 - (3) Threat elimination (through SPS100, the enemy's drone can be intercepted, causing the enemy's FPV to crash and forcing the enemy's commercial drone to return or land forcibly. Combined with the SSH100, the enemy's commercial drone can be brought down.)
 - (4) Area protection (SSH100 can initiate an active defense mode, preventing commercial drones with GNSS from entering the protected area. STS100 can simultaneously detect and issue warnings.)
- A portable battle platform that facilitates interaction and awareness between devices.
- Rapid wearability. Users can complete the installation of the complete set of equipment and enter the working state within 1 minute after simple training.



Blader



Spoofing



Tracer



C2 Tablet





Tracer Air-STA 100

With the STA100 detection and positioning module, the drone can accurately locate the intruding drone pilot's position. It can then maneuver closer to the pilot and utilize its electro-optical modules for reconnaissance, allowing for precise apprehension.

Features



Positioning of the drone and pilot without protocol



Automatic signal identification & false target elimination



Precision navigation without GNSS



Anti-interference flight



**THANK
YOU**



TERRAHEXEN
DRONE DETECTION AND NEUTRALIZATION SYSTEMS

Innovation for a Safer World