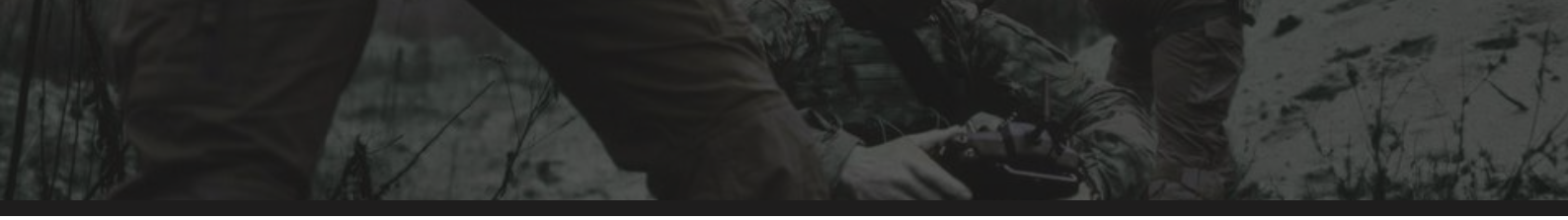


WODAN

INTERNATIONAL

Wodan International has launched a specialized Drone Division dedicated to preparing security professionals and special operations personnel for the rapidly evolving threats of modern UAV warfare.

Our division focuses on **practical, mission-driven training** built around real drone risks encountered in today's conflict and protection environments.

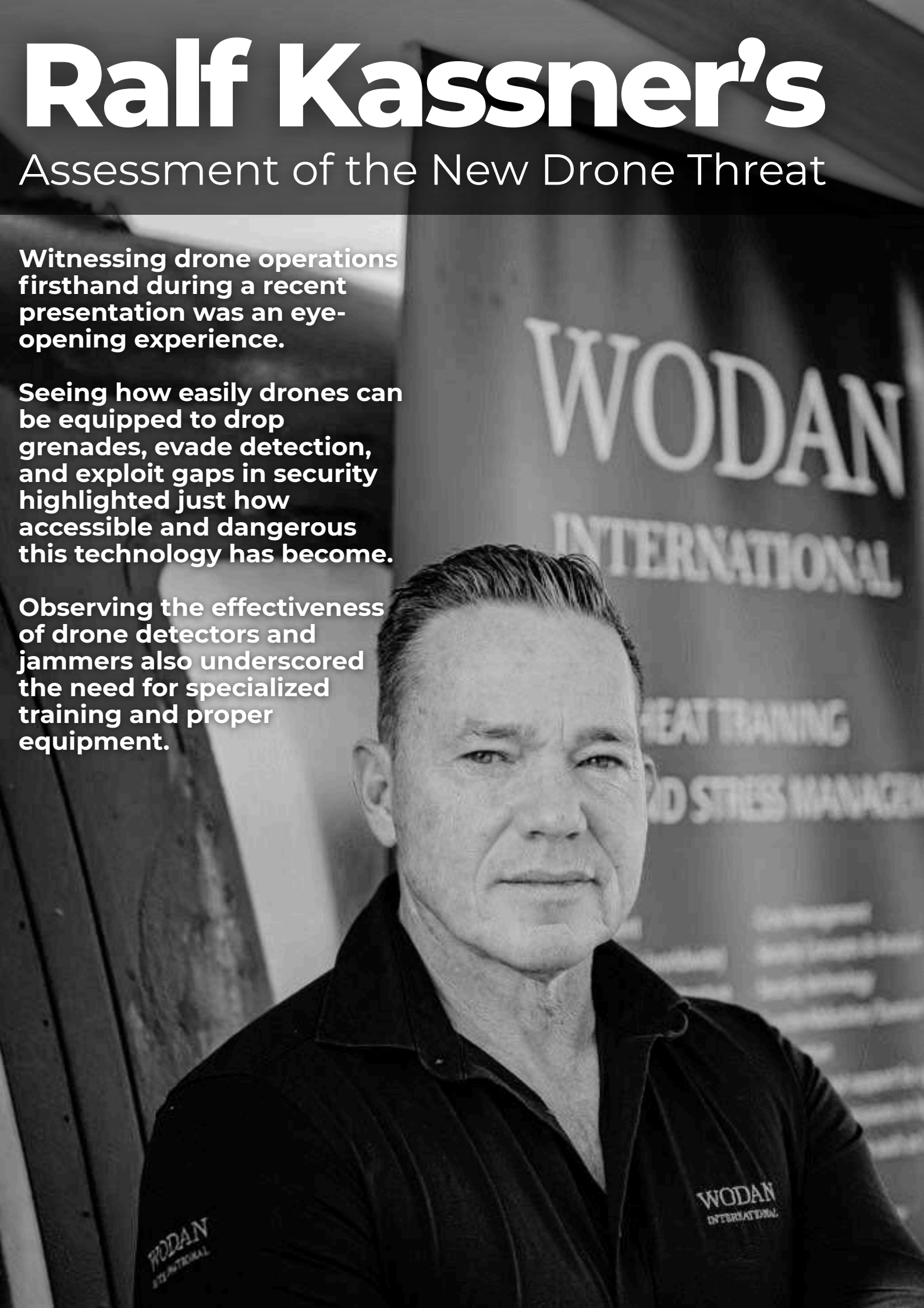
We deliver advanced courses in Hostile Environment Awareness Training against drones, FPV and UAV warfare, VIP and close-protection anti-drone tactics, and CQB drone operations.

Each program combines essential theory with realistic scenarios, giving students the skills to detect, avoid, counter, or employ drones effectively in high-risk situations.

Operational Training Index & Course Structure

Ralf Kassner's

Assessment of the New Drone Threat



Witnessing drone operations firsthand during a recent presentation was an eye-opening experience.

Seeing how easily drones can be equipped to drop grenades, evade detection, and exploit gaps in security highlighted just how accessible and dangerous this technology has become.

Observing the effectiveness of drone detectors and jammers also underscored the need for specialized training and proper equipment.

Meet Our
Lead Drone Instructor

At **Wodan International,** our drone training division is led by an instructor with **real battlefield experience from Ukraine**, someone who didn't learn drones from theory, but from surviving the realities of modern conflict. He began his career as an automation engineer, working with systems and robotics. When he entered the warzone, he transitioned from technical expertise to frontline operations, taking part in recon and assault missions across villages, forests, and trench networks.After being wounded, he adapted instead of stepping back. He turned to drones
What started as necessity became mastery.
He trained squads, supported units directly, and developed practical frontline drone tactics that actually work under pressure.

Today, he serves as **Wodan International's main drone instructor**, bringing:

- Real combat-tested drone experience
- Firsthand knowledge of FPV, UAV, and reconnaissance platforms
- The ability to train beginners from zero to operational level
- Clear, structured instruction built on real missions, not textbook theory
- Guidance for European units preparing for future threats and drone warfare

If you want training from someone who truly understands drones in combat—not just how to fly them, but how to survive and win with them—this is the instructor you want in front of your team.

The FPV course encompasses the following components:

Team formation
Team requirements
Theoretical training
Equipment setup
Equipment safety
Team roles
Equipment repair and maintenance
Familiarization with FPV controls and goggles
Safety protocols
Deployment simulation
Team cohesion and stress response
Practical field preparation

Personnel Requirements:

Proficient with Tech, gaming, and adept with gamepads or controllers

Understanding of frequencies and radio waves

Navigation Skills: Competent in using digital maps (ATAK/ SAS PLANET)

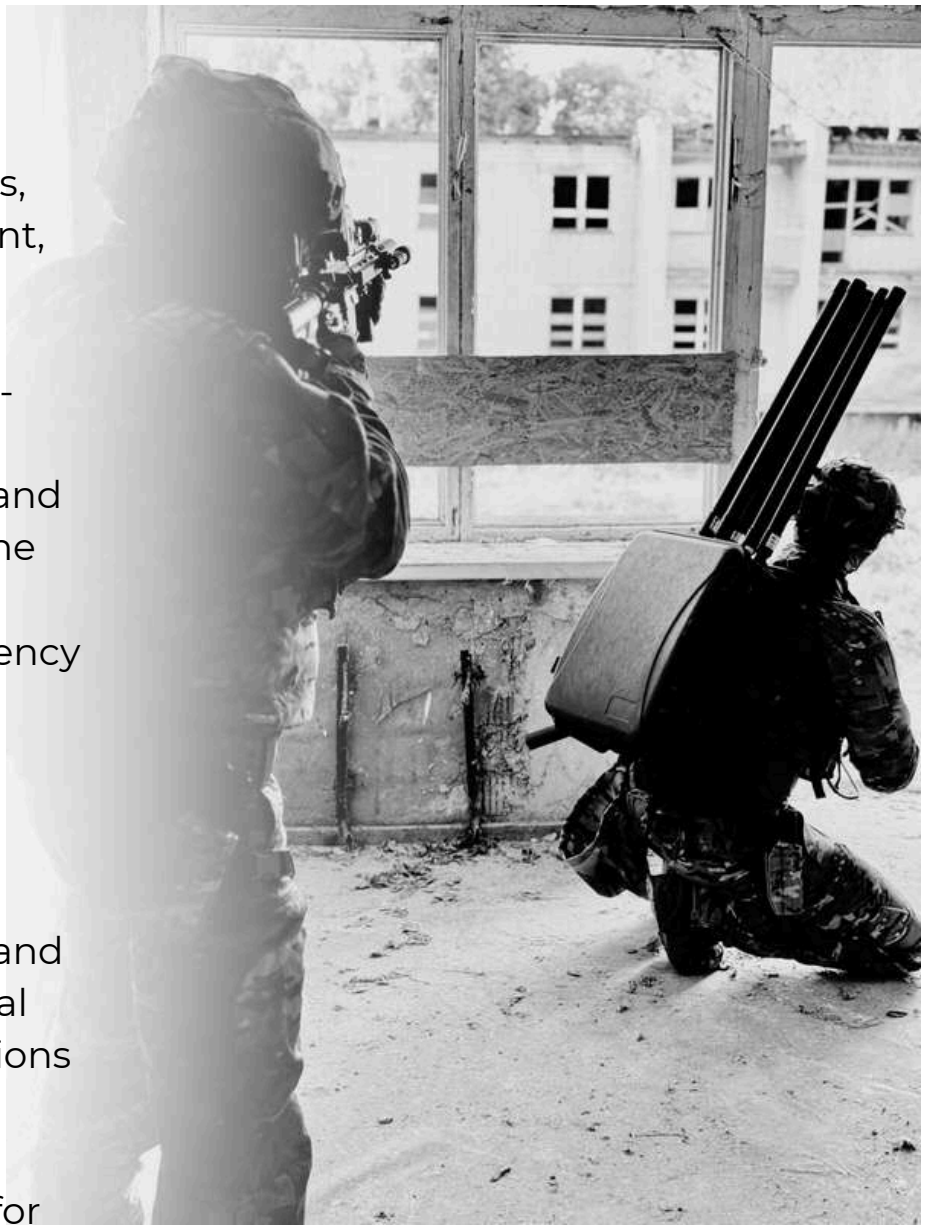
Facility Requirements:

- Training ground with a road strip of at least 500M. No civilians should be present for at least 1.5 KMs all directions if possible.
- A room specialized for drone building and laboratory
- A room specialized for munitions and highest safety protocols as drone munition can be unstable if done incorrectly
- 4-6 Gaming laptops for drone simulations, training and programming, (MORE IF POSSIBLE) **NO PERSONAL LAPTOPS TO BE USED**
- ·VEHICLE / ATV / DIRT BIKE for chasing simulation
- Each squad should get 1 tablet or 4 phones only for ATAK

Important Key Aspect:

Every drone that is used in training or OPS is to be considered as a consumable product that can be lost and/or destroyed during training.

Manual overview



- **Volume 1:** Tactical and Preparations. This volume focuses on the foundational elements of drone operations, including essential equipment, technical setups, team coordination, and battlefield adaptation. It covers mission-specific loadouts, logistics, supply chain management, and strategic deployment of drone teams, with a focus on optimizing operational efficiency in various tactical scenarios.

- **Volume 2:** Full Manual Comprehension on FPV Construction, Maintenance, and delves deep into the technical aspects of FPV drone operations

- **Volume 3**: Mavic Drones – Description and Interaction for conflict purposes

- **Volume 4:** FPV Tactics focuses on the advanced tactics employed by FPV drones military contexts.

Other manuals such as: How to protect yourself from enemy drones / Russian military drone capabilities and many more, Surviving Defensive EW in FPV strike tactics / Drone operations in Urban Environments / Shadow link how to operate covert FPV relays / Signal suppression

MILITARY FPV

DRONE OPERATIONS COURSE

Training Phases:

1. Unit Formation & Team Structuring
Composition and role assignments
Team-based operational drills

2. Theoretical Instruction
Principles of FPV operations
Drone system components & functions

3.Equipment Familiarization & Deployment
System setup and operational readiness
Equipment handling and safety protocols

4. Drone Maintenance & Field Repairs
Troubleshooting & field servicing procedures

5. Flight & Control Proficiency
FPV controls and goggle familiarization
Simulator training for reflex development

6. Combat Mission Preparation
Tactical movement drills
Stress-response team exercises
Engagement simulations

7. Operational Deployment
Field positioning and reconnaissance
Entry and exfiltration drills
Mission execution & situational adjustments

UAV DRONE COURSE

Operational Considerations for Conflict Zones:

Firmware Encryption Adjustments:

Drawbacks:

- GPS disabled
- No onboard stabilizers
- No safety/obstacle avoidance systems
- Manual flight control required

Advantages:

- Altitude & range limitations removed
- Operator's location remains undisclosed

Basic requirements for personnel

Basic or no drone experience is required
Map reading or digital map reading understanding
Spatial awarenes.

Training phases:

must be combined with FPV course for full efficiency

1. UAV operational framework

Ethical considerations in deployment

2. Flight & Maneuvering Drills:

Hands-on flight control

Adaptation to non-GPS environments

3. Navigation & Reconnaissance:

Tactical map training

Real-time navigation and mission planning

4. Operational Deployment & Combat Flight Drills:

No-GPS mission execution

Precision surveillance and engagement tactics

5. Command Oversight & Mission Accountability:

Operational debriefs

Combat performance evaluations

6. TAK/ATAK Integration

UAS tool usage

TAK Map usage and adaptability

Critical Fundamentals

We must recognize that **each individual is different,** and that includes how they respond the first time they fly an FPV drone. **FPV drones are entirely manual,** constantly in motion, and can easily reach speeds of up to 150 km/h. This makes them **significantly more difficult to control, especially for beginners.**

Operators require time to adapt to the immersive experience of FPV goggles, **master manual flight techniques, and develop muscle memory for precise control.** Beyond flying, each operator must gain a thorough understanding of their drone's internal systems, how it functions, its components, how to repair it in the field, and how to troubleshoot issues under pressure. **Exploring every aspect of the platform is not optional,** it's essential for mission success and operator survival.

It is also important for any organization or facility participating in this course to understand that **drones are to be considered consumable assets.** Due to the high-risk nature of FPV training, it is not uncommon for 2-3 drones to be damaged or destroyed during a single day of exercise. This is an expected part of the learning process. **However, to minimize losses and better prepare students, all trainees will first undergo extensive simulator training using PC-based FPV flight simulators.** This phase helps refine their reflexes, improve control accuracy, and build confidence before taking their first real-world flight. Simulators play a critical role in reducing early-stage crashes and accelerating overall proficiency.

Tests and exams will be given to each to determine their role and functionality in team. The roles will be made by an assessment of leadership skills, flying, navigating in the air

Close protection anti drone training.

Requirements:

No prior drone experience required

This course will also teach participants how to handle their own UAV for reconnaissance purposes

Close Protection Anti-Drone Course

A specialized program designed to train close protection personnel to detect, identify, and respond to hostile or unauthorized drones in operational environments. Participants learn drone recognition, threat assessment, jamming and countermeasure principles, safe evacuation procedures.

VIP & Close Protection: Drone Countermeasure

1. Introduction to Drone Threats

2. Detection and Identification

- Handheld drone detectors
- Visual and acoustic spotting

3. Electronic countermeasures

- Anti Drone gun jammers
- Mobile convoy jammers
- GPS- Spoofing systems

4. Kinetic countermeasures

- Shotgun engagement
- Net launcher
- Drone ramming

5. Field scenarios and best practices

- Attack simulations
- Infil/exfil scenarios

Hostile Environment Awareness Training

Drone Danger & Safety Module

A dedicated module focused on drone-related risks in conflict zones or high-threat environments.

This advanced training course is meticulously designed to prepare participants for the demanding responsibilities of Diplomatic Security Teams and Counter Assault Teams (CAT). The focus is on equipping individuals with the tactical expertise required to handle threats beyond the capabilities of standard mobile security units. The curriculum combines theoretical instruction with intensive practical exercises, covering all critical aspects of protecting high-profile individuals and responding to complex security threats.

Training phases:

- **Advanced Medical Training & Care Under Fire**
- **Drone & Counter-Drone Operations**
- **Counter-Sniper Techniques**
- **CAT Team Advanced Operations**
- **Use of Specialized Equipment**
- **Use of Night Vision Devices**
- **Reaction to attack drones**
- **Reconnaissance with your own UAV**
- **Checkpoint scenario drills**
- **Mission planning**
- **Minimizing visual and thermal signature**

CQB Tactical UAV/FPV Operator Course

A focused course that trains special operations personnel to employ small tactical UAV and FPV drones for close-quarters battle. Using a drone to do initial reconnaissance will minimize risk for operators in dangerous situations.

- Students learn rapid deployment, indoor navigation, room-to-room reconnaissance, target identification, and team communication while flying in confined spaces.
- Master close-quarters FPV navigation in halls, rooms, stairwells, and urban interiors.
- Develop tactical reconnaissance skills for real-time indoor intelligence.
- Stun and smoke grenade deployment.
- Reduce crash risk and equipment damage through advanced handling techniques

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