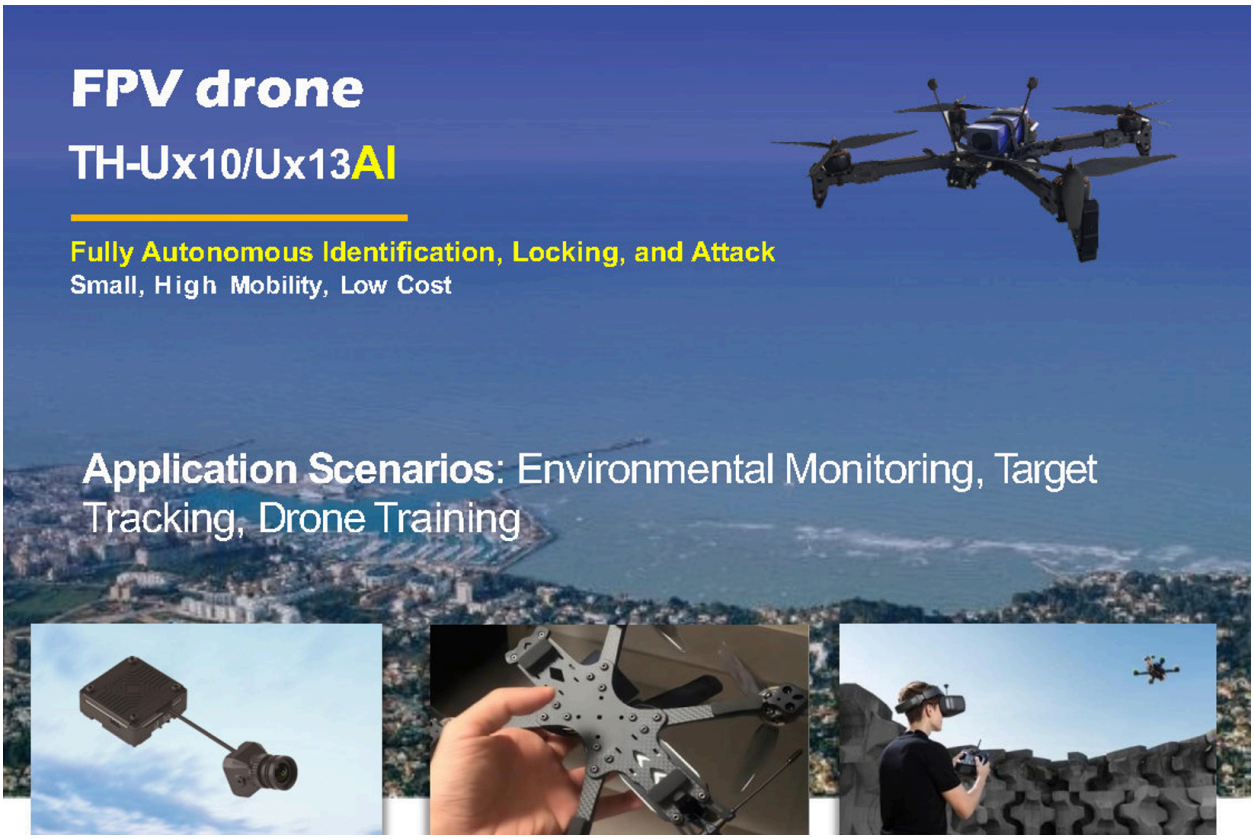
Ch35

Publish	☑
Client	Inspur
Doc	ux10
Visibility	public
Title	TH-Ux10 — Multi-Purpose Tactical/Industrial UAV
Description	For industrial inspection, public safety, perimeter surveillance, and complex FPV-style precision operations



🌐 TH-Ux10 — Multi-Purpose Tactical/Industrial UAV

One-Pager (English Version)

Professional sales copy — ready for brochures / PPT / tenders

TH-Ux10 — Multi-Role High-Agility UAV

Compact · Fast Deployment · EO/IR / FPV Options · Strong Anti-Interference Design

TH-Ux10 is a **lightweight, high-agility multi-mission UAV** optimized for **industrial inspection, public safety, perimeter surveillance, and complex FPV-style precision operations**.

Supports **EO/IR gimbal**, **FPV kit**, **AI anti-jamming module**, making it a flexible platform for government, industrial, and commercial applications.

CORE HIGHLIGHTS

- **Multiple payload configurations**: EO/IR gimbal / FPV / wide-angle camera
- **High maneuverability**, suitable for tight spaces and complex environments
- **Strong anti-jamming capability** with optional AI interference-mitigation module
- **Fast deployment (< 30 sec)**, beginner-friendly
- **Stable operation in wind / dense urban interference environment**
- **Affordable & scalable**, ideal for fleet deployment

KEY APPLICATION SCENARIOS

1. Industrial Facility Patrol & Close-Range Inspection

- Factories, warehouses, petrochemical plants
- Detect abnormal temperature, leaks, structural damage

  Benefit: Enter confined areas where large drones cannot operate.

2. Power Grid & Substation Inspection (Close-range)

- Insulator, joints, conductor inspection
- Fly close to steel towers without GPS

  Benefit: Suitable for urban substations & complex electromagnetic environments.

---

3. Public Safety & Police Field Operations

- Crowd monitoring
- Suspect tracking
- Night patrol with thermal sensor

  Benefit: Portable and immediate response.

---

4. Border / Perimeter Security

- Airport fence patrol
- Industrial park perimeter surveillance
- Oil & gas facility monitoring

  Benefit: Replace manual security posts with low-cost aerial overwatch.

---

5. FPV Precision Operations / Close-Combat Training / Tunnel Inspection

- High-speed maneuvering
- Tight-space navigation
- Optional FPV kit

  Benefit: Ideal for environments requiring agility and precise control.

SPECIFICATIONS

Item	Specification
Weight Class	Lightweight (sub-2 kg depending on configuration)
Flight Time	~20–30 min depending on payload
Payload Options	EO/IR gimbal, FPV module, wide-angle camera
Max Speed	20–25 m/s (depending on config)
Control Range	10–15 km (environment dependent)
Anti-Jamming	Supports AI-enabled interference mitigation
Takeoff Method	Hand-launch / vertical takeoff (depending on variant)
Wind Resistance	Level 5+
Deployment Time	< 30 seconds

> Full technical datasheet can be provided as needed.

PACKAGE CONFIGURATION (Example)

TH-Ux10 Multi-Purpose Kit

- TH-Ux10 UAV ×1
- EO/IR mini gimbal or FPV camera ×1
- Long-range digital control link ×1
- Batteries ×2–3
- Portable ground controller
- Optional:
  - AI anti-jamming module
  - SDK for command center integration
  - Training package for field teams

🇨🇳 TH-Ux10 多用途无人机 — 一页纸（中文正式版）

TH-Ux10 — 多场景巡检 / 巡逻 / FPV 机动无人机

轻量化 · 强机动 · 多载荷可选 · 抗干扰能力强

TH-Ux10 是一款 **高机动、轻量化、多用途无人机平台**，可用于 **工业巡检、警用安防、周界巡逻、应急响应、复杂空间 FPV 操作** 等多场景。

支持 **双光吊舱、FPV 套件、AI 抗干扰模块**，灵活适配不同行业需求。

核心亮点

- **多载荷可选**：双光吊舱 / FPV / 广角相机
- **机动性极佳**：适合狭窄空间、复杂结构、楼宇内部作业
- **AI 抗干扰算法（可选）**：支持高干扰环境
- **快速部署（<30 秒）**，即开即飞
- **成本可控，可大规模部署**
- **适用于"城市 + 工业 + 应急"全场景**

典型应用场景

1. 工厂 / 石化 / 仓储近距离巡检

- 异常温度
- 泄漏迹象
- 结构损伤

  客户价值：替代人工进入危险区域，显著提高安全性。

2. 输电线路与变电站近距巡检

- 在金属密集、信号受扰环境稳定飞行

- 可贴近检测关键元件

  客户价值：适合城市核心变电站及狭窄走廊飞行。

---

3. 公安执法 / 安防巡逻

- 群体活动监控
- 夜间巡逻（热成像）
- 可在楼宇间快速穿行

  客户价值：响应迅速、覆盖范围大、画面清晰。

---

4. 机场 / 工业园 / 石油天然气周界巡逻

- 检查围界入侵
- 异常车辆/人员跟踪

  客户价值：替代人力巡逻，全天候低成本覆盖。

---

5. FPV 近距精细操作 / 隧道检查

- 高速机动
- 穿越狭窄空间
- 适合应急抢险与特种训练

  客户价值：传统无人机难以完成的特种任务。

关键参数

项目	参数
重量级别	轻量化（约 1–2 kg）
续航	20–30 分钟（依载荷不同）
载荷	双光吊舱 / FPV / 广角相机
最大速度	20–25 m/s
控制距离	10–15 km（视环境而定）

项目	参数
抗干扰能力	支持 AI 抗干扰模块
起降方式	手抛 / 快速垂直起飞（型号可选）
抗风等级	≥ 5 级
部署时间	< 30 秒

典型套装（示例）

TH-Ux10 多用途套装

- TH-Ux10 主机 ×1
- 双光吊舱或 FPV 套件 ×1
- 图传与遥控设备 ×1
- 电池 ×2–3
- 随身携行箱 ×1
- 可选：
  - AI 抗干扰软件包
  - 指挥中心 SDK
  - 应急场景训练课程