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≡ Title	TH-Ux13 / TH-Ux15 — High-Agility Multi-Purpose UAV Platform
≡ Description	For industrial inspection, public safety, emergency response, perimeter protection and FPV-style close-quarter operations

🌐 TH-Ux13 / TH-Ux15 — High-Agility Multi-Purpose UAV Platform

One-Pager (English Version)

Professional sales copy for power utilities, public security, industrial inspection & complex FPV missions

TH-Ux13 / Ux15 — Enhanced Multi-Role UAV Platform

High Mobility · Anti-Interference · FPV + EO/IR Payload Options · Close-Range Precision Ops

The **TH-Ux13 / TH-Ux15** platform delivers **extreme agility**, **strong penetration in high-interference environments**, and **multiple payload configurations**.

It is designed for **industrial inspection, public safety, emergency response, perimeter protection, and FPV-style close-quarter operations**.

CORE HIGHLIGHTS (Platform-Level Capabilities)

- **High-performance propulsion**: stronger thrust & stability than Ux10

- **Excellent anti-interference capability**, optional AI jamming-resilient module

- **Supports multiple payloads**:

    - EO/IR gimbal

    - FPV camera module

    - Tactical wide-angle camera

    - Situational-awareness sensor kits

- **Fast maneuvering** for tight-space operations

- **Harsh-environment survivability**: wind, dust, electromagnetic interference

- **Quick deployment (< 30 seconds)**

- **Ideal for fleet deployment** with low maintenance cost

DIFFERENCE BETWEEN Ux13 AND Ux15

Feature	TH-Ux13	TH-Ux15
Propulsion Power	High-power	Ultra-high-power (max agility)
Endurance	Medium (20–28 min)	Slightly lower (18–25 min) due to stronger thrust
Payload Compatibility	EO/IR, FPV	EO/IR, FPV, additional tactical sensors
Typical Missions	Inspection, security, FPV entry	High-stress FPV maneuvers, tunnel ops, rapid tactical response

> 简单理解：
>
> **Ux13 = 高性能工业版本**
>
> **Ux15 = 更强推力 + 极限 FPV 机构动作 + 特种任务能力**

KEY APPLICATION SCENARIOS

1. Industrial Inspection (Close-range / Complex Structures)

- Thermal anomaly detection
- Structure inspection for factories, chemical plants, ports
- Internal/external inspection of confined areas

Value: Operates where larger UAVs cannot reach; perfect for chemical plants, refineries, mining facilities.

2. Power Grid & Substation Close-Proximity Operations

- Inspection inside metal-dense or GNSS-degraded environments
- Identify insulator defects, conductor issues, corrosion
- Penetrate complex high-EMI zones

Value: Solves the problem of "无法靠近" for large drones.

3. Public Security / Law Enforcement / Urban Patrol

- Crowd monitoring

- Target following

- Night-time thermal surveillance

Value: Fast response + strong resistance to signal interference.

4. Emergency Response / Disaster Recon

- Indoor entry (collapsed sites)

- Rapid FPV access to dangerous zones

- Thermal search for missing persons

Value: Reach places human rescuers cannot enter safely.

5. FPV Tactical / Confined-Space Operations

- High-speed maneuvering

- Entry through windows, corridors, tunnels

- Ideal for industrial & government tactical teams

Value: Superior agility + reinforced frame + powerful propulsion.

SPECIFICATIONS (Typical Configuration)

Item	TH-Ux13	TH-Ux15
Weight Class	~1.5–2.0 kg	~1.8–2.3 kg
Endurance	20–28 min	18–25 min
Max Speed	~22–27 m/s	~25–30 m/s
Payload Options	EO/IR, FPV, wide-angle	EO/IR, FPV, tactical add-ons
Control Range	10–15 km	10–15 km
Anti-Interference	Strong	Enhanced (AI module recommended)
Wind Resistance	Level 5–6	Level 6+

Item	TH-Ux13	TH-Ux15
Deployment Time	< 30 seconds	< 30 seconds

PACKAGE CONFIGURATION (Example)

TH-Ux13 / Ux15 Multi-Mission Kit

- TH-Ux13 or TH-Ux15 UAV × 1

- EO/IR micro gimbal or FPV tactical camera × 1

- Professional digital video link × 1

- 2–4 batteries (mission-dependent)

- Rugged portable controller × 1

- Optional upgrades:

  - AI anti-jamming module

  - Command center SDK integration

  - FPV tactical training package

  - Night ops enhancement kit

TH-Ux13 / TH-Ux15 多用途高机动无人机 — 一页纸（中文正式版）

TH-Ux13 / TH-Ux15 — 高性能多用途无人机平台

强推力 · 高机动 · 多载荷适配 · 抗干扰能力卓越

TH-Ux13 / TH-Ux15 是一款为 **工业巡检、警用安防、应急救援、周界巡逻、FPV 精细操作** 设计的高性能无人机平台。

具备 **双光吊舱、FPV 套件、AI 抗干扰组件** 等多项扩展能力。

核心亮点（平台级能力）

- **更强推力系统**：比 Ux10 更高的机动性与抗风性能
- **AI 抗干扰模块（可选）**：适应电力站、城市核心区、金属密集环境
- **多载荷扩展能力**：
  - EO/IR 双光吊舱
  - FPV 套件
  - 战术广角相机
  - 环境感知传感器
- **极强机动性**：适合内部空间、隧道、走廊等复杂环境
- **轻量化、高可靠、快速部署（<30 秒）**
- **可形成无人机队列系统，方便大规模部署**

Ux13 与 Ux15 的区别

特性	TH-Ux13	TH-Ux15
推力	高推力	超高推力（极限机动）
续航	更长（20–28 分钟）	略短（18–25 分钟）
载荷支持	吊舱 / FPV	吊舱 / FPV / 战术拓展
任务定位	工业巡检、警用安防、FPV	特种作业、极限 FPV、隧道作业

总结：

Ux13 = 工业巡检高性能版

Ux15 = 推力最大、机动性最强的 FPV / 特种任务版

典型应用场景

1. 工业设施近距巡检

- 化工厂、冶炼厂、仓储、港口

- 热成像检查、泄漏识别、结构损伤检测

  价值：可进入狭窄空间，替代人工进入危险区域。

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2. 输电线路 / 变电站近距离巡检

- 在金属密集、干扰强环境保持稳定
- 靠近绝缘子、金具等关键部位

  价值：是大型无人机难以完成的特种巡检任务。

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3. 公安 / 城市安防 / 夜间巡逻

- 热成像侦察
- 人车跟踪
- 大型活动安保

  价值：快速反应 + 抗干扰，更适合复杂城市作业。

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4. 应急救援 / 灾害现场

- 进入倒塌建筑、密闭环境
- 搜索失踪人员
- 快速态势感知

  价值：人无法进入的地方由无人机先行。

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5. FPV 精细作业 / 隧道 / 走廊作业

- 极限机动穿越
- 高速 FPV
- 隧道内部检查

  价值：Ux15 特别适用于此类高难度环境。

关键参数

项目	TH-Ux13	TH-Ux15
重量级别	1.5–2.0 kg	1.8–2.3 kg
续航	20–28 分钟	18–25 分钟
最大速度	22–27 m/s	25–30 m/s
载荷选择	双光吊舱 / FPV	双光 / FPV / 战术扩展
控制距离	10–15 km	10–15 km
抗干扰能力	强	更强
抗风	5–6 级	≥6 级
部署时间	< 30 秒	< 30 秒

典型套装（示例）

TH-Ux13 / Ux15 多用途作业套装

- Ux13 / Ux15 无人机 ×1

- 双光吊舱或 FPV 战术镜头 ×1

- 工业内置图传系统 ×1

- 电池 2–4 块

- 地面站 / 遥控器 ×1

- 可选：

  - AI 抗干扰模块

  - 指挥中心 SDK

  - FPV 战术训练课程

  - 工业巡检软件工具包