NOTOXYTECH

INDIGENOUS UAS
MADE IN INDIA

DAY & NIGHT SURVEILLANCE · 10-INCH CLASS

SURVEILLANCE DAY & NIGHT

A 10-inch, hand-launchable ISR platform with a dual-sensor gimbal — visible and thermal imaging for day-and-night situational awareness.



30 min	5 km	120 km/h	384 ×288
FLIGHT TIME*	RANGE	MAX SPEED	THERMAL

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OVERVIEW

Why the 10" Day & Night Surveillance Drone?

The 10" Day & Night Surveillance Drone with dual-sensor camera by Notoxytech Technologies Pvt Ltd is a high-performance, India-made tactical solution tailored for long-range surveillance and precision intercept operations.

Designed with uncompromising agility and resilience, it is especially suited for deployment by the Indian Armed Forces in demanding and contested environments. Advanced failsafe protocols, rapid hand-launch capability and robust heavy-lift performance make it a decisive tool for critical field operations — supporting immediate mission readiness and zero-latency, real-time situational awareness.





CORE CAPABILITIES

Built for the mission

Failsafe Navigation
Continues safely in GPS-denied conditions

RF-Denied Return to Home
Automatic RTH on loss of link

Heavy-Lift & Delivery
Robust propulsion for payload missions

Day & Night Tactical ISR
Visible + thermal dual-sensor gimbal

High-Speed Intercept
Up to 120 km/h burst / dive

Rapid Boot & Acquisition
From power-on to eyes-on in moments

INDIGENOUS ENGINEERING

Designed, built and supported in India.

Configurable navigation modes, failsafes and payloads — tuned to your unit's operational requirements.



TECHNICAL DATA

Specifications

30 min	5 km	120 km/h	384 ×288
FLIGHT TIME*	RANGE	MAX SPEED	THERMAL

Model	Surveillance Drone 10" with Dual-Sensor (Visible + Thermal) Camera
Size	10" Surveillance with Mission Planner
Flight Time	Up to 30 min (with full payload, depending on mission profile)
Range	**One-way deployment – up to 5 km.** Line of sight, subject to terrain and interference. Maximum altitude restricted to 500 m AGL.
Payload Capacity	Optional
Speed	Cruise **60 km/h** · Max burst / dive **120 km/h**
Navigation & Control	GPS navigation with failsafe
Airframe & Build	Composite lightweight carbon-fibre structure
Video Transmission (VTX)	Digital
Battery	6S 10,000 mAh Molicel Li-ion (30 min endurance) 6S 15,000 mAh Molicel Li-ion (45 min endurance)
Navigation Modes	Loiter – GPS-assisted loitering Manual / Angle mode RTH – Return to Home **Configurable to user specifications**
Misc. Features	Live telemetry and mission planning via laptop

** Endurance and range depend on payload, mission profile, terrain, weather and RF environment. Specifications may be customised to user requirements.*

PAYLOAD

Dual-Sensor Gimbal

Three-axis gimbal carrying a 5 MP visible-light camera and a 384 × 288 uncooled thermal imager.



GIMBAL

Video output interface	LAN port
Control input interface	LAN port
Working voltage	7.2 V – 72 V
Working current	210 mA
Working temperature	-10 °C to +50 °C
Weight (incl. shock-absorber plate)	117 g
Size (incl. shock-absorber plate)	62 × 65 × 86 mm
Controllable angle	Pitch -90° to +10° · Yaw -90° to +90° · Roll -45° to +45°
Hoist / upside-down mode	Supported
One-click back / down / head-up	Supported

VISIBLE-LIGHT CAMERA

Lens resolution	5 MP
Focal length	3.5 – 4.75 mm
Aperture	F2.0
HFOV / VFOV / DFOV	100° / 52° / 122°
Zoom	4× electronic
Transmission resolution	1280 × 720
Video recording	2560 × 1440
Video format	MP4
Photo resolution	2560 × 1440
Photo format	JPEG
Storage	Micro SD, up to 256 GB
File system	FAT32

THERMAL IMAGING CAMERA

Resolution	384 × 288
Frame rate	≤ 25 Hz
Thermal time constant	< 10 ms
Focal length	7 mm
Aperture	F1.0
FOV	24.8° × 18.7°
Pixel pitch	12 µm
Spectral range	8 – 14 µm

NOTOXYTECH

Ready when the mission is.

Talk to our team about demonstrations, configurations and field trials for the 10" Day & Night Surveillance Drone.

PRODUCT ENQUIRIES

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DESIGNED & MANUFACTURED IN INDIA