NOTOXYTECH

INDIGENOUS UAS
MADE IN INDIA

FPV SHAKTI · 15-INCH HEAVY-LIFT

FPV SHAKTI
15" HEAVY-LIFT

A 15-inch analog FPV platform built to carry up to 5 kg — fast, rugged and easy to deploy for battlefield logistics, resupply and payload delivery.



40 min	10 km	120 km/h	5 kg
FLIGHT TIME*	RANGE	MAX SPEED	PAYLOAD LIFT

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OVERVIEW

Why FPV Shakti 15"?

FPV Shakti 15" by Notoxytech Technologies Pvt Ltd is a high-performance, India-made heavy-lift FPV platform built for logistics, resupply and payload delivery, as well as reconnaissance and high-speed intercept missions.

With up to 5 kg lifting capacity it moves ammunition, medical kits, batteries and equipment to forward positions quickly, without exposing personnel or vehicles. Low-latency dual analog FPV video on 5.8 GHz, GPS failsafe navigation, RF-denied return to home and laptop-based mission planning make it simple to operate and ready for demanding, contested environments.





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

5 kg Heavy-Lift
Carries up to 5 kg of payload

Logistics & Resupply
Ammunition, medical kits and supplies to forward positions

High-Speed Intercept
60 km/h cruise, 120 km/h burst

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

40 min	10 km	120 km/h	5 kg
FLIGHT TIME*	RANGE	MAX SPEED	PAYLOAD LIFT

Model	15" FPV Heavy-Lift Quadcopter
Size	15" FPV with Mission Planner
Flight Time	Up to 40 min (without payload) · up to 25 min (with full payload, depending on mission profile)
Range	**One-way deployment – up to 10 km.** Line of sight, subject to terrain and interference. **Two-way deployment – up to 5 km** for reconnaissance, surveillance and payload delivery with safe return. Maximum altitude restricted to 500 m AGL.
Payload Capacity	**Up to 5 kg lifting capacity** for logistics, resupply and payload delivery (heavier loads reduce endurance)
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	Dual analog FPV camera (low latency, long range)
VTX	2.5 W / 3 W / 5 W video transmission module, 5.8 GHz
Battery	8S4P 20,000 mAh (approx. endurance up to 40–50 min)
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.*

GROUND EQUIPMENT

FPV goggles & ground monitor



FPV Video Goggles

Immersive, low-latency 5.8 GHz view for the pilot, with diversity antennas for a stable picture at long range.

Frequency	5.8 GHz analog video
Antennas	14 dBi directional patch + omni (diversity)
Battery	Built-in 7.4 V / 2,000 mAh
Weight	393 g (without antennas)
Dimensions	18 × 14 × 8.4 cm

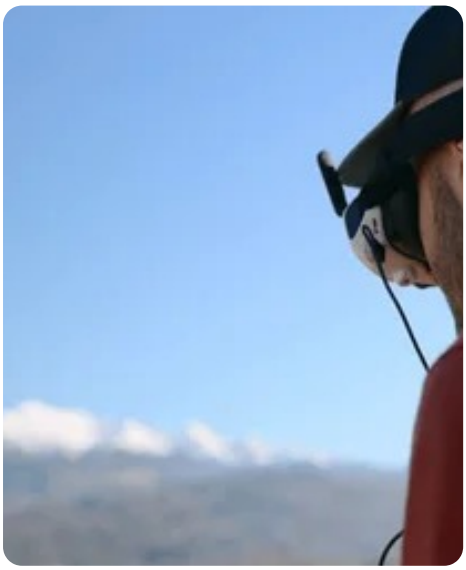


Ground Monitor

Hooded 5.8 GHz monitor with patch and omni antennas, so the commander, observer or logistics team can watch the same live feed as the pilot.

- Shared live view for the whole crew
- Sun hood for daylight use in the field
- Works alongside the pilot's goggles

IN THE FIELD







NOTOXYTECH

Ready when the mission is.

Talk to our team about demonstrations, configurations and field trials for the FPV Shakti 15".

PRODUCT ENQUIRIES

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DESIGNED & MANUFACTURED IN INDIA