DRONEYARDS
Fly High Fly Smart



DY RUDRA

FPV HEAVY-LIFT DRONES IN THE 13-INCH CLASS ARE WIDELY RECOGNIZED FOR THEIR STABILITY, ENDURANCE, AND MULTI-KILOGRAM PAYLOAD CAPABILITY IN LONG-RANGE OPERATIONS.

DY RUDRA

CONFIGURATION	
Drone Class	Tactical Heavy-Lift FPV UAV
Propeller Size	13 Inch
Configuration	X4 Quadcopter
Frame Material	Full Carbon Fiber Composite
Maximum Flight Time	28–38 Minutes (without payload)
Operational Range	10 km
Maximum Speed	120–140 km/h
Wind Resistance	Up to 45 km/h
Motor Type	High Torque 4214/4314 Brushless Motors
Motor KV	400–500KV
ESC	100A High Current ESC
Battery Type	8S Li-Ion or LiPo
Recommended Battery	8S 8000–15000mAh
Power Connector	XT90
Day Camera	Full HD Zoom Camera

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CONFIGURATION	
Video Resolution	2k
Gimbal Stabilization	2/3 Axis Stabilized
Video Transmission	Digital FPV
Drop System	Servo-Based Pin Release
Payload Capacity	Up to 2 kg
Release Type	Precision Pin Drop
Triggering	Remote Activated
Deployment Accuracy	High Precision
Mission Types	Supply Drop / Tactical Delivery
FPV Transmission	5.8 GHz
Control Link	ELRS / Long Range RC
Telemetry	Real-Time
Video Power Output	High Power VTX
Encryption Support	Optional
Range	Long Range LOS

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SAFETY & TACTICAL FEATURES

- Border Surveillance
- Night Reconnaissance Missions
- Tactical Payload Delivery
- Emergency Supply Drops
- Long Range FPV Recon
- Industrial Surveillance
- Area Monitoring Operations
- Low Voltage Protection
- GPS Recovery
- Signal Fail Safe
- Emergency Motor Stop
- Propeller Guard Compatibility

RECOMMENDED MISSION ROLES

- Heavy Lift 13″ Tactical Platform
- Optimized for Night Operations
- Long Range FPV Capability
- Carbon Fiber Reinforced Body
- High Stability in Windy Conditions
- Precision Payload Drop System
- Real-Time HD Surveillance
- Defense & Security Ready Platform

FEATURES









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