

Aereo- ZFR



Technical Specifications- Aereo ZFR Drone		
S. no.	Parameters	Specifications
	Model	Aereo-ZFR (Type Certified by DGCA)
1	Configuration	Vertical Take-off and landing in fixed - wing mode.
2	Flight mode	Autonomous
3	Endurance	> 60 minutes
4	Range	> 5 km in radio Line of Sight
5	Weight	<15 kg Kg
6	Area coverage	Up 400 hectares in single flight
7	Fail safe features	<ul style="list-style-type: none"> - Emergency Return to Launch position option - Autonomous return to home on communication link loss - Geofencing option to restrict both horizontal and vertical flight envelope of the drone - Autonomous return to home or land (programmable) in case of power loss

Sensors		
1	Image sensor	
a.	Effective pixels	24 megapixels
b.	Sensor size	APSC image sensor
c.	Mapping pixel size	= or better than 3 cm for images captured from an altitude of 120 m or higher above the ground.
2	Positioning sensor	The drone consists of survey grade on-board PPK for accurate geo-tagging of the images.
		For Standard PPK base, the base needs to be placed on a known point for which the coordinates are collected separately.



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**GOVERNMENT OF INDIA
DIRECTORATE GENERAL OF CIVIL AVIATION
DRONE DIRECTORATE**

TYPE CERTIFICATE

No.: T0623000000M

*This certificate, issued to **M/s AARAV UNMANNED SYSTEMS PRIVATE LIMITED, Bengaluru** certifies that the Unmanned Aircraft System*

"Aereo-zfr",

*its technical specifications and operating limitations for which are contained in datasheet No. T0623000000M dated the 19th June, 2023 is of proper design, material, specification, construction and performance for safe operation based on the recommendation of **M/s UL INDIA PRIVATE LIMITED** as required by the Certification Scheme for Unmanned Aircraft Systems notified by the Ministry of Civil Aviation vide S.O. 347(E) dated the 26th of January, 2022.*

This Type Certificate is issued under the provision of Rule 8 and Rule 9 (3) of the Drone Rules 2021.

This certificate shall remain valid until suspended or cancelled.

Date : 19th June, 2023

Director General of Civil Aviation