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Anti-Drone System

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Abstract: *The "Anti-Drone System" project aims to design, develop, and implement a comprehensive solution for detecting, tracking, and mitigating unauthorized drone activity. As the use of drones becomes increasingly prevalent in various sectors, there is a growing need to address the security and privacy concerns associated with their misuse. This project focuses on the creation of a multi-faceted system that combines cuttingedge technologies such as radar, radio frequency (RF) analysis, and optical sensors to identify and respond to drones effectively. The system will provide real-time monitoring and alerts, enablingrapid response to potential threats. With a strong emphasis on both hardware and software integration, this project strives to offer a reliable, cost-effective, and scalable solution to protect critical infrastructure, public events, and private property from unauthorized drone incursions*

Keywords: Detecting, Tracking, and Mitigating unauthorized drone activity, Image Processing, Reliable, Cost-effective, and Scalable solution.