TINYML POSSIBILITIES FOR THE IMPLEMENTATION OF MÁJÉKÉYÉ-BÀ: A PEST PREVENTION UNMANNED AERIAL VEHICLE

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Introduction

Food security is a major concern among a growing world population. Thus the use of technology to solving persistent problems in food production is becoming increasingly popular. Robotic system design with computer vision capability has gained recognition in agriculture application [1-3]. The above had created the motivation for using unmanned aerial vehicle (UAV) with the configuration of observation, detection, tracking and action loop framework to prevent pest invasion on farmland.

TinyML is a field of study in Machine Learning and Embedded Systems that explores the types of models you can run on small, low-powered devices like microcontrollers.

Motivation

Reference

