

SAVONIA

IoT Threats – Hardware and Software Vulnerabilities, DoS Attacks - Equipment

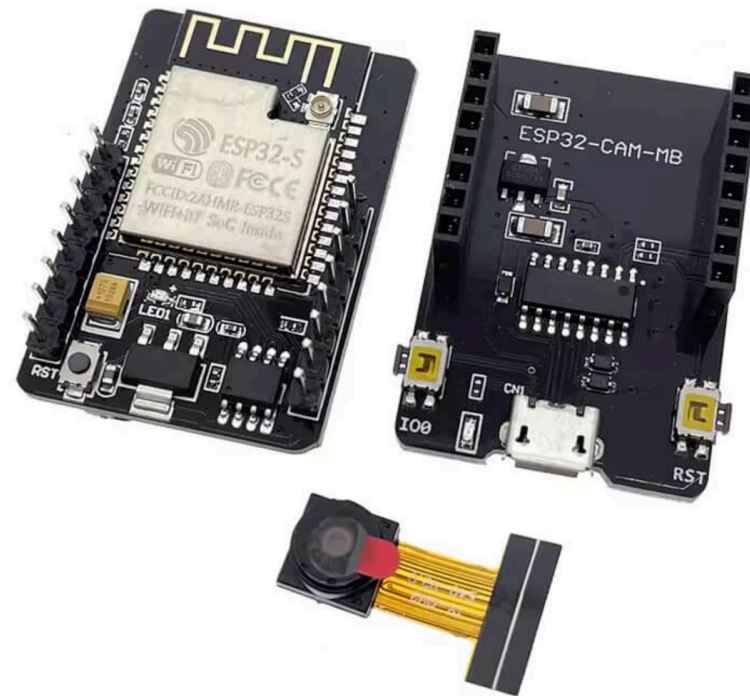
Cybersecurity Fundamentals

Markku Kellomäki



ESP32-CAM

- Camera module documents: <https://docs.ai-thinker.com/en/esp32-cam>
- <https://piikauppa.fi/kauppa/mikrokontrollerit/esp32/esp32-cam-ov2640-kamera/?srsltid=AfmBOorG73Wzuvda4bmrzC2coMBepME7rbjX9GGBxYqATSFxQPLv5dbn>



ESP32-CAM software and setup

- <https://dronebotworkshop.com/esp32-cam-intro/>

Raspberry Pi 3B+ as WiFi hotspot

- A Raspberry Pi 3B+: <https://www.raspberrypi.com/products/raspberry-pi-3-model-b-plus/>
- Use a vulnerable distro which allows multiple demos: RasPwnOS
- Download from here: <https://github.com/alphacharlie/RasPwn>
- Instructions for using RasPwnOS: <https://www.instructables.com/Learn-to-Hack-Ethically-With-RasPwn-OS/>