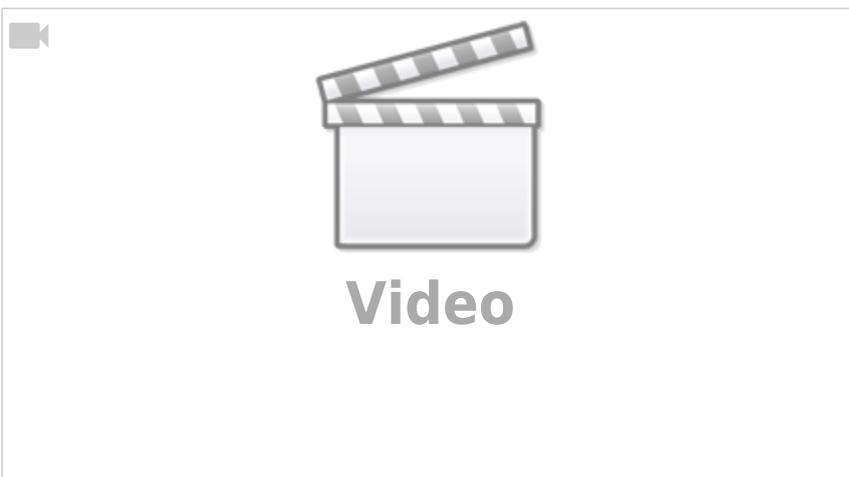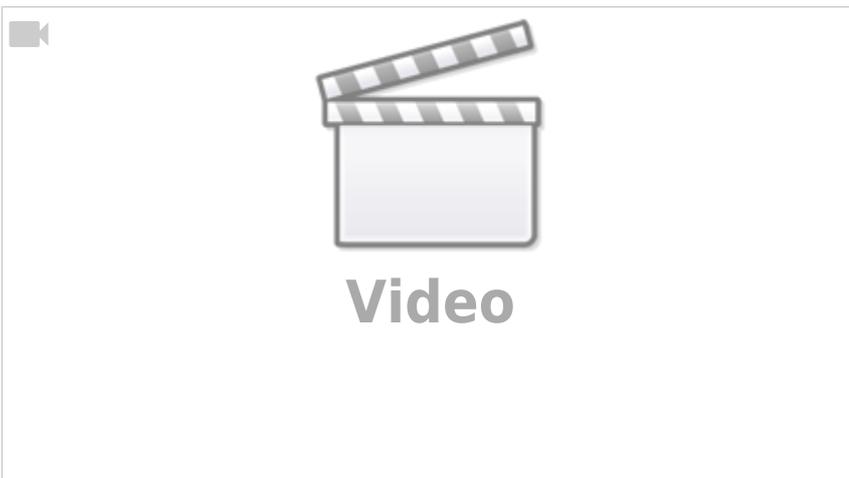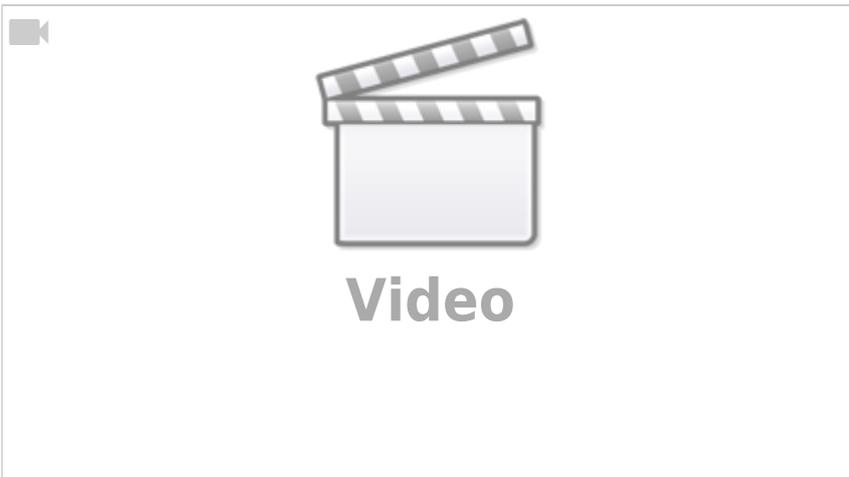# ESP32 CAM Development

- Adafruit bq24074 solar charger
- Design Notes MPPT
- Adafruit bq24074 downloads incl. schematics
- TI datasheet BQ2407x Standalone 1-Cell 1.5-A Linear Battery Chargers with Power Path
- TI datasheet LP3869x/-Q1 500-mA Low-Dropout

Video

Video

Seeed XIAO ESP32S3 Sense Expansion Board incl. Cam

- ⚠ **Main Wiki Page: Getting Started with Seeed Studio XIAO ESP32S3 (Sense)**
  At the bottom of this wiki page are the link to the design resources.
  - Pin Multiplexing with Seeed Studio XIAO ESP32S3 (Sense)
  - File System and XIAO ESP32S3 Sense

- Product Page: Seeed Studio XIAO ESP32S3

- **XIAO ESP32S3 V1.1 Schematic**
  - XIAO ESP32C3 Schematic
  - XIAO_ESP32S3_ExpBoard_v1.0_SCH.pdf

  - The Inside Story of XIAO ESP32S3 Designing

  - Marcelo Rovai's git repo
  - MJRoBot.org (Marcelo Rovai)

XIAO ESP32S3 Comonents

- Buck converter → 3V3:

SGM6029 Ultra-Low Quiescent Current, Synchronous Buck Converter

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