**guardar fotos a archivos:** <https://www.youtube.com/watch?v=8e4fjskXfoI>

**Mirar:** <https://youtu.be/IFOI7WyMJz4?si=oORbIND4nJWWGvqi>

<https://youtu.be/hSr557hppwY?si=NQYnOfBBNNDVSVc0>

**Fotos a google drive:** <https://youtu.be/XqT1rLHl3DE>

**mostrar fotos en pagina:** <https://randomnerdtutorials.com/esp32-cam-take-photo-display-web-server/>

**Pipico wifi:** <https://www.youtube.com/watch?v=GiT3MzRzG48>

**Proyecto conectar pila:** <https://www.reddit.com/r/esp32/comments/n03c5n/lowpower_and_lowcost_habitat_monitoring_cameras/?rdt=45697>

**Conectar pila muchas cosas:** <https://www.youtube.com/watch?v=k_PJLkfqDuI>

**Buscar:** esp32 cam lithium battery wiring

**Codigo ver camara:** http://10.8.5.32

**Raspberry bluetooth:**

<https://www.youtube.com/watch?v=I65CLwOa51M>

**Enviar a servidor video esp32cam**

<https://www.youtube.com/watch?v=6T49Kma5IF8>

<https://www.youtube.com/watch?v=uLkpILpQKuY>

**Camara: ESP32-CAM WiFi+Bluetooth+Camera Module**

info: <https://programarfacil.com/esp32/esp32-cam/>

mas info, ver camara: <https://randomnerdtutorials.com/esp32-cam-video-streaming-face-recognition-arduino-ide/>

tutorial: <https://randomnerdtutorials.com/projects-esp32-cam/>

YouTube conectar?:

<https://youtu.be/o7knpHEulMs?si=BFXa4niFu4WDoWz7>

Otra placa ojo: <https://youtu.be/Vql_2CnUYw4?si=KhL_vKbwR2A5Aw8Y>

codigo ver: [**http://192.168.235.151/**](http://192.168.235.151/) **(no)**

**boton?:** <https://www.youtube.com/watch?v=5U-I_12QcQ0>

microfoni: <https://www.youtube.com/watch?v=QQml4N6XEC0>

<https://www.raspberrypi.com/products/raspberry-pi-pico/>

<https://www.raspberrypi.com/documentation/microcontrollers/raspberry-pi-pico.html>

<https://picockpit.com/raspberry-pi/es/todo-sobre-la-frambuesa-pi-pico/#:~:text=C%C3%B3mo%20empezar%20con%20la%20Raspberry%20Pi%20Pico,-Hemos%20dise%C3%B1ado%20varios&text=Esta%20es%20la%20forma%20m%C3%A1s,litio%20o%20tres%20pilas%20AA>

Pi pico : <https://www.youtube.com/watch?v=03kS1qZfi_A>

**Arducam OV2640 SPI Camera Module comprar:**

Datasheet:

camara sola:

info: <https://www.arducam.com/downloads/shields/ArduCAM_Mini_2MP_Camera_Shield_DS.pdf>

coso: <https://www.handsontec.com/dataspecs/module/ESP32-CAM.pdf>

Mercado libre COMPRAR:

<https://articulo.mercadolibre.com.ar/MLA-914001349-modulo-esp32-cam-camara-wifi-bluetooth-ov2640-2mp-arduino-_JM>

**Microfono amplifier:**

Comprar:

<https://articulo.mercadolibre.com.ar/MLA-899827562-modulo-microfono-amplificado-arduino-max9814-agc-_JM>

Usar:

<https://youtu.be/QQml4N6XEC0?si=FJFmLVEoA4EuF0h2>

**Microfono como usar:**

<https://www.hackster.io/sandeep-mistry/create-a-usb-microphone-with-the-raspberry-pi-pico-cc9bd5>

github:

<https://github.com/ArmDeveloperEcosystem/microphone-library-for-pico>

**Proyecto Parlante:**

video:

Como funciona:

<https://www.electromaker.io/project/view/raspberry-pi-pico-audio-recordplaywav-file>

Comprar:

<https://www.electromaker.io/shop/search/Speaker>

Mirar youtube:

<https://www.electromaker.io/project/view/raspberry-pi-pico-audio-recordplaywav-file>

<https://www.youtube.com/watch?v=05PH0kyxEnQ&t=98s>

<https://www.youtube.com/watch?v=03kS1qZfi_A>

<https://youtu.be/Lwr8LLvLRb8?si=QAsNyhKwvH8edu-G>

**Parlante:**

Video:

<https://www.youtube.com/watch?v=Lwr8LLvLRb8>

Comprar:

<https://listado.mercadolibre.com.co/parlantes-para-raspberry>

Arducam:

Mejores camaras rpp comprar: <https://www.arducam.com/raspberry-pi-pico-camera-modules/#wp-block-themeisle-blocks-advanced-columns-53a2f87e>

Todas camaras rpp comprar:

<https://www.arducam.com/product-category/raspberry-pi-pico/>

Arducam OV5642 5MP Plus comprar:

<https://www.arducam.com/product/arducam-5mp-plus-spi-cam-arduino-ov5642/>

Datasheet:

<https://arducam.com/downloads/shields/ArduCAM_Mini_5MP_Plus_OV5642_Camera_Module_DS.pdf>

Arducam Pico4ML TinyML comprar: (rara)

<https://www.arducam.com/product/arducam-pico4ml-tinyml-dev-kit-rp2040-board-w-qvga-camera-lcd-screen-onboard-audio-b0330/>

<https://www.youtube.com/watch?v=NwvEOKtFkFM>

HMo1Bo (baja resolución)

<https://www.himax.com.tw/products/cmos-image-sensor/always-on-vision-sensors/hm01b0/>

comprar

<https://m.es.aliexpress.com/i/4000530685137.html>

(raspberry pi) comprar SFDEV11868 <https://www.openhacks.com/page/productos/id/840/title/Raspberry-Pi-Camera-Module>