

Find this repository at: <https://github.com/Bluemotica/ESPHOME-birdhouse/>

ESPHOME-birdhouse

A default ESPHOME configuration for use with my birdhouse with WIFI camera

This is based on the default ESPHOME software and you can find this at:

https://esphome.io/guides/getting_started_hassio.html

It mainly use 3 integrations from ESPHOME

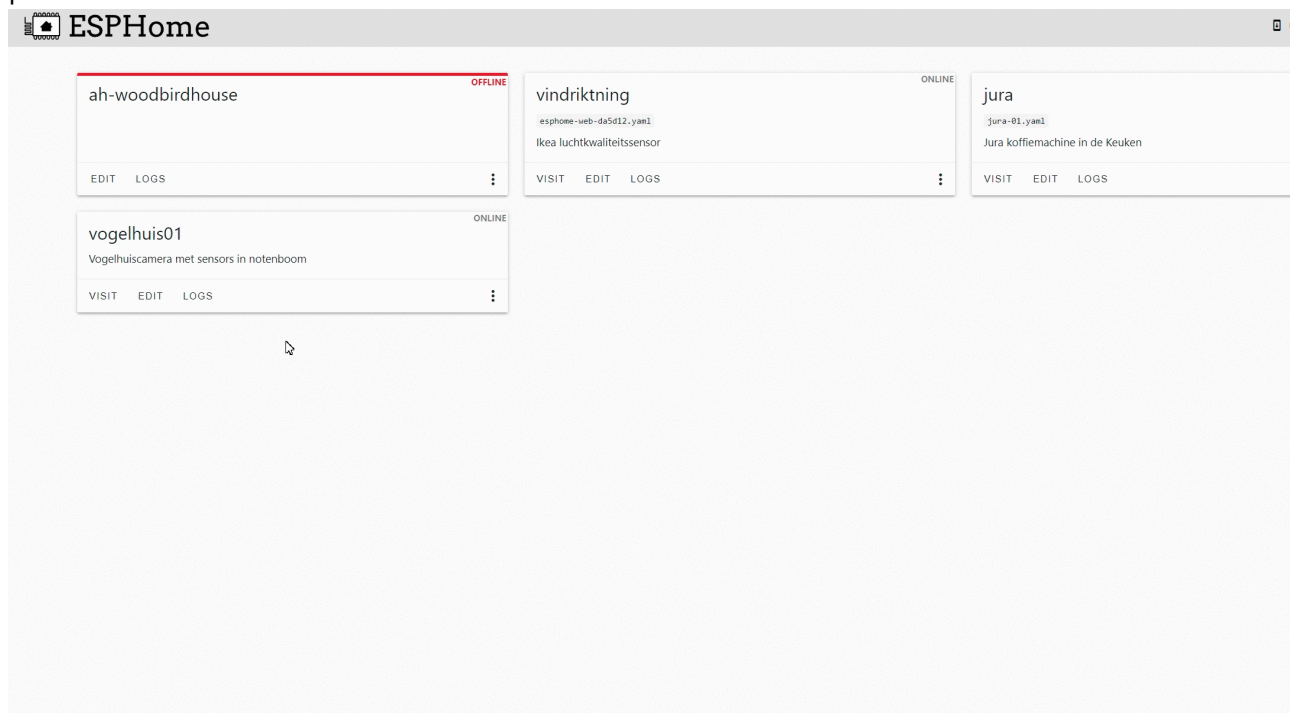
1. the Camera module: https://esphome.io/components/esp32_camera.html?highlight=esp32%20cam
2. the Camera webserver module: https://esphome.io/components/esp32_camera_web_server.html?highlight=esp32%20cam
3. the Home-assistant integration: <https://esphome.io/components/mqtt.html?highlight=mqtt#using-with-home-assistant>

If you don't use Home-assistant, but you want to use MQTT services. you can enable this in the configuration at the #MQTT comments. this uses the default MQTT integration.

Default setup:

fast video for setup: <https://github.com/Bluemotica/ESPHOME-birdhouse/blob/main/setup.mp4>

1. Download the birdhouse-camera.yaml code and open the ESPHOME dashboard.
2. pass the code into the editor:




3. open the file and alter the WIFI connection with your own user&password
4. Use or disable MQTT integration
5. Upload the code to the ESP32 chip.


6. Reboot the chip, and connect to it by ESHome dashboard or direct on the IP.

usage

After setup you can look to the camera with any browser, just go to the IP of your camera or use the local DNS: `http://ah_birdhouse.lan` (if your router suport MDNS resolving). you will find an webpage with the switches and log:





ah_birdhouse



Name	State	Actions
ah_birdhouse Uptime	291 s	
ah_birdhouse WiFi Signal	-70 dBm	
ah_birdhouse light	OFF	Off <input type="checkbox"/> On <input type="checkbox"/>
ah_birdhouse restart	OFF	Off <input type="checkbox"/> On <input type="checkbox"/>

Scheme

OTA Update

Bestand kiezen

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Update

Time	level	Tag	Message
14:23:18	[D]	[esp32_camera:168]	Got Image: len:34018
14:23:20	[D]	[esp32_camera:168]	Got Image: len:33802
14:23:30	[D]	[esp32_camera:168]	Got Image: len:33844
14:23:48	[D]	[esp32_camera:168]	Got Image: len:33845
14:23:58	[D]	[esp32_camera:168]	Got Image: len:32790
14:24:00	[D]	[sensor:125]	'ah_birdhouse Uptime': Sending state 162.05000 s with 0 decimals of accuracy
14:24:00	[D]	[esp32_camera:168]	Got Image: len:32769
14:24:18	[D]	[esp32_camera:168]	Got Image: len:32548
14:24:20	[D]	[esp32_camera:168]	Got Image: len:32425
14:24:30	[D]	[esp32_camera:168]	Got Image: len:38080
14:26:00	[D]	[light:095]	'ah_birdhouse light' Setting:
14:26:00	[D]	[light:046]	State: ON
14:26:00	[D]	[light:084]	Transition length: 1.0s
14:26:00	[D]	[light:084]	Transition length: 1.0s
14:26:02	[D]	[light:095]	'ah_birdhouse light' Setting:
14:26:02	[D]	[light:046]	State: OFF
14:26:02	[D]	[light:084]	Transition length: 1.0s
14:26:02	[D]	[light:084]	Transition length: 1.0s
14:26:06	[D]	[esp32_camera:168]	Got Image: len:22020

- The the videostream is on the configured port (default 8081): `http://ah_birdhouse.lan`
- The snapshot (default 8080) on: `http://ah_birdhouse.lan:8080`