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rst:0x1 (POWERON_RESET),boot:0x1f (SPI_FAST_FLASH_BOOT)
configsip: 0, SPIWP:0xee
clk_drv:0x00,q_drv:0x00,d_drv:0x00,cs0_drv:0x00,hd_drv:0x00,wp_drv:0x00
mode:DIO, clock div:2
load:0x3fff0018,len:4
load:0x3fff001c,len:6420
load:0x40078000,len:11624
load:0x40080400,len:6700
entry 0x40080768
I (28) boot: ESP-IDF v3.3-dirty 2nd stage bootloader
I (29) boot: compile time 20:50:29
I (29) boot: Enabling RNG early entropy source...
I (33) boot: SPI Speed      : 40MHz
I (38) boot: SPI Mode      : DIO
I (42) boot: SPI Flash Size : 8MB
I (46) boot: Partition Table:
I (49) boot: ## Label                Usage            Type ST Offset   Length
I (57) boot:  0 nvs                  WiFi data        01 02 00009000 00006000
I (64) boot:  1 phy_init             RF data          01 01 0000f000 00001000
I (71) boot:  2 factory              factory app      00 00 00010000 00100000
I (79) boot: End of partition table
I (83) esp_image: segment 0: paddr=0x00010020 vaddr=0x3f400020
size=0x38170 (229744) map
I (173) esp_image: segment 1: paddr=0x00048198 vaddr=0x3ffb0000
size=0x037c4 ( 14276) load
I (179) esp_image: segment 2: paddr=0x0004b964 vaddr=0x40080000
size=0x00400 ( 1024) load
0x40080000: _WindowOverflow4 at /Users/danjulio/esp/esp-idf/components/
freertos/xtensa_vectors.S:1779

I (180) esp_image: segment 3: paddr=0x0004bd6c vaddr=0x40080400
size=0x042a4 ( 17060) load
I (195) esp_image: segment 4: paddr=0x00050018 vaddr=0x400d0018
size=0xa5b74 (678772) map
0x400d0018: _stext at ????:?

I (435) esp_image: segment 5: paddr=0x000f5b94 vaddr=0x400846a4
size=0x14668 ( 83560) load
0x400846a4: psram_enable at /Users/danjulio/esp/esp-idf/components/esp32/
spiram_psram.c:707

I (485) boot: Loaded app from partition at offset 0x10000
I (485) boot: Disabling RNG early entropy source...
I (486) psram: This chip is ESP32-D0WD
I (491) spiram: Found 64MBit SPI RAM device
I (494) spiram: SPI RAM mode: flash 40m sram 40m
I (500) spiram: PSRAM initialized, cache is in low/high (2-core) mode.
I (507) cpu_start: Pro cpu up.
I (511) cpu_start: Application information:
I (516) cpu_start: Project name:      firecam
I (520) cpu_start: App version:      2.0
I (525) cpu_start: Compile time:      May 12 2020 20:50:28
I (531) cpu_start: ELF file SHA256:  706d19a33463d4d4...
I (537) cpu_start: ESP-IDF:          v3.3-dirty

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I (542) cpu_start: Starting app cpu, entry point is 0x400815e8
0x400815e8: call_start_cpu1 at /Users/danjulio/esp/esp-idf/components/
esp32/cpu_start.c:270

I (0) cpu_start: App cpu up.
I (554) heap_init: Initializing. RAM available for dynamic allocation:
I (560) heap_init: At 3FFAE6E0 len 00001920 (6 KiB): DRAM
I (566) heap_init: At 3FFD49B8 len 0000B648 (45 KiB): DRAM
I (572) heap_init: At 3FFE0440 len 00003AE0 (14 KiB): D/IRAM
I (578) heap_init: At 3FFE4350 len 0001BCB0 (111 KiB): D/IRAM
I (585) heap_init: At 40098D0C len 000072F4 (28 KiB): IRAM
I (591) cpu_start: Pro cpu start user code
I (596) spiram: Adding pool of 4078K of external SPI memory to heap
allocator
I (170) cpu_start: Chip Revision: 1
I (171) cpu_start: Starting scheduler on PRO CPU.
I (0) cpu_start: Starting scheduler on APP CPU.
I (174) spiram: Reserving pool of 32K of internal memory for DMA/internal
allocations
I (184) main: FireCAM startup
I (184) sys: ESP32 Peripheral Initialization
I (1194) sys: System Peripheral Initialization
I (1194) time_utilities: Initial RTC time: Mon May 18 20:33:49 2020
I (1714) lepton_utilities: Lepton Radiometry = 1
I (1724) lepton_utilities: Lepton Radiometry TLinear = 1
I (1734) lepton_utilities: Lepton Radiometry Auto Resolution = 1
I (1744) lepton_utilities: Lepton AGC = 0
I (1754) lepton_utilities: Lepton Telemetry = 1
I (1764) lepton_utilities: Lepton Gain Mode = 0
I (1764) lepton_utilities: Lepton GPIO Mode = 5
I (1764) gpio: GPIO[13]| InputEn: 0| OutputEn: 1| OpenDrain: 0| Pullup: 0|
 Pulldown: 0| Intr:0
I (1824) wifi: wifi driver task: 3ffdcf70, prio:23, stack:3584, core=0
I (1824) system_api: Base MAC address is not set, read default base MAC
address from BLK0 of EFUSE
I (1824) system_api: Base MAC address is not set, read default base MAC
address from BLK0 of EFUSE
I (1854) wifi: wifi firmware version: aeed694
I (1854) wifi: config NVS flash: enabled
I (1854) wifi: config nano formatting: disabled
I (1854) wifi: Init dynamic tx buffer num: 32
I (1864) wifi: Init data frame dynamic rx buffer num: 32
I (1864) wifi: Init management frame dynamic rx buffer num: 32
I (1874) wifi: Init management short buffer num: 32
I (1874) wifi: Init static tx buffer num: 16
I (1884) wifi: Init static rx buffer size: 1600
I (1884) wifi: Init static rx buffer num: 10
I (1884) wifi: Init dynamic rx buffer num: 32
I (1984) phy: phy_version: 4102, 2fa7a43, Jul 15 2019, 13:06:06, 0, 0
I (1984) wifi: mode : sta (30:ae:a4:c3:01:dc)
I (1984) wifi_utilities: WiFi Station starting
I (1984) wifi_utilities: Station started, trying to connect to RoboNet
I (1994) sys: Buffer Allocation
I (2014) cam_task: Start task
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I (2014) lep_task: Start task
I (2014) cmd_task: Start task
I (2014) gui_task: Start task
I (2014) adc_task: Start task
I (2014) app_task: Start task
I (2014) file_task: Start task
I (2024) ili9341: ILI9341 initialization
I (2234) xpt2046: Touchpad initialization
I (2244) palettes: Loading Arctic color map
I (2314) file_task: SD Card found
I (2514) cmd_task: Socket created
I (2514) cmd_task: Socket bound
I (2514) cmd_task: Socket listening
I (3214) wifi: new:<11,0>, old:<1,0>, ap:<255,255>, sta:<11,0>, prof:1
I (3214) wifi: state: init -> auth (b0)
I (3214) wifi: state: auth -> assoc (0)
I (3224) wifi: state: assoc -> run (10)
I (3224) wifi: connected with RoboNet, channel 11, HT20, bssid =
74:44:01:d7:94:75
I (3224) wifi: pm start, type: 1

I (3234) event: sta ip: 10.0.1.144, mask: 255.255.255.0, gw: 0.0.0.0
I (3234) wifi_utilities: Connected. Got ip: 10.0.1.144
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