

Kneron KL720 SDK v1.5.0

Features:

- Added DFS to all projects (dongle, solution_companion, solution_kdp2)
- Enabled DMA for SPI master/slave driver
- Adjusted DDR DERATEINT value to fix DDR read failure when system temperature is over 85C
- Provided ToF example

Changes:

- Changed SPIF clock to 100Mhz as default
- Adjusted MAX object count for yolo example to 100
- Enlarged stack memory size and OS_DYNAMIC_MEM_SIZE
- Disabled kmdw_level_ipc_printf by default
- Replaced kmdw_printf by kmdw_level_printf
- Changed FIFOQ img buffer count from 2 to 3
- Passing threshold/anchors config to post_yolov5_no_sigmoid() and change WHITELIST disable by default

Bug Fixes:

- Fixed for USB reset issue
- Fixed overflow issue of timer measurement API
- Fixed log index error when log count over MAX_LOG_LENGTH
- Fixed ddr_to_flash programming bug
- Fixed NCPU reset issue by adding volatile to ncpu register struct
- Fixed SSP1 bitfield error
- Fixed USB stability and USB log scenario
- Fixed the checking code of max output number of yolo bounding boxes
- Added protection for drop frame in kdp2_usb_companion_image_thread
- Corrected buffer size for yoloV5s raw output usage