

# . Kneron KL520 FW v1.4.0.1

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## New Features

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- Changed to use new NEF model format
- Provided UART BOOT FW for no flash scenario (refer to example in host\_lib)
- Supported model protection feature by device unique number
- Provided generic raw output usage (ISI/DME)

## Changes

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- Provided clear USB VID/PID string information
- Changed to new model format - NEF file
- Updated utils/bin\_gen to support NEF model file

## Bug Fixes

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- Enhanced DDR access stability
- Fixed random random result caused by image preprocess
- Fixed is does not work with setting of IMAGE\_FORMAT\_BYPASS\_PRE
- Fixed connection issue for multiple dongle usage
- Fixed bug in the postprocess of FDSSD model

## Anomalies and Limitations

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- Inference might fail when switching DME/ISI mode usage and change model via DME mode
- Provided models are for example purpose. We does not guarantee the accuracy. (For production-level models, please contact Kneron Business)

## Unsupported Peripheral Drivers

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items	description
UART	Support but there is no usage example in sdkexamples folder
I2C slave	Not support
SPI master	Not support
SPI slave	Not support
UVC host	Support specific UVC 1.0/1.1 camera but not all cameras
UVC device	Not support
I2S	Not support
DVP	Not support
MIPI DSI TX	Not support
MIPI CSI TX	Not support