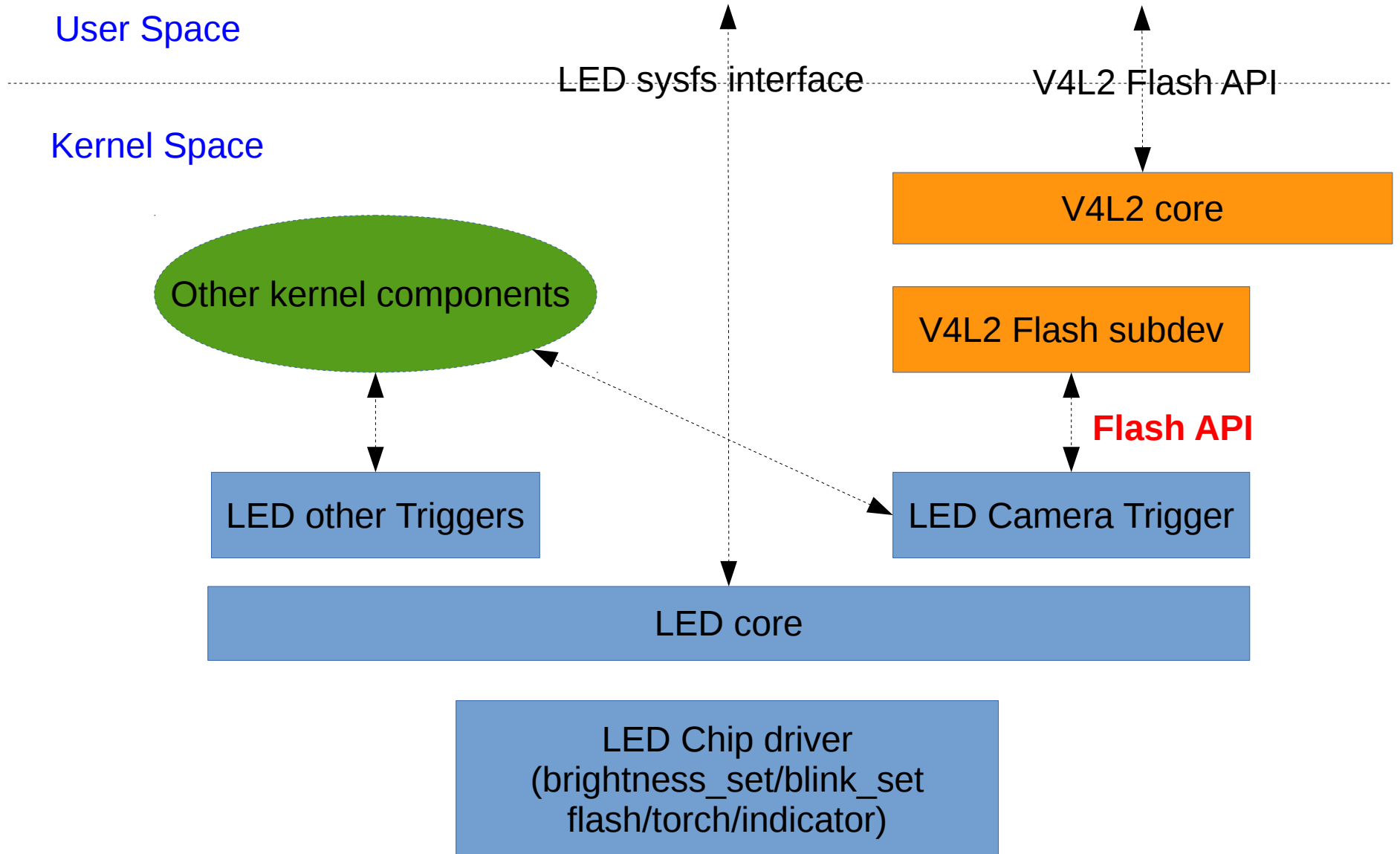# Unify LED and V4L2 Flash API

Basic Ideas

- Add LED chip driver in LED subsystem

- LED chip driver can support normal LED operation and camera flash/torch/indicator operations

- LED camera trigger provides kernel API to do flash/torch/indicator operations

- V4L2 Flash subdev calls LED camera trigger API and provides Flash controls to upper level and user space

- LED core can still provide sysfs interface to user space

- Need to define good Flash API exported by LED camera trigger

- V4L2 Flash subdev driver can be put in V4L2 subsystem directory