Hardware Video Codec Support on Allwinner SoCs
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What is demonstrated

- Video Player (Kodi)
- libva-v4l2-request

Hardware Information

- Allwinner A33 board running Kodi, with a mainline kernel

What was improved

Based on reverse-engineering done by the cedrus effort, and funded through a Kickstarter campaign

Bootlin developed and upstreamed in the Linux Kernel:
- Base driver
- MPEG2 Codec
- H264 Codec
- H265 Codec

But also:
- Userspace test program
- Libva implementation
- Kodi support (not merged yet)

Source code or detail technical information availability

- https://git.kernel.org
- https://bootlin.com/blog/tag/vpu