The CXD2880 receives DVB-T2/T signals and transfers an MPEG-2 transport stream via a SPI bus to the Raspberry Pi for picture decoding. An embedded MPEG-2 TS Packet ID (PID) filter reduces the data rate, which makes streaming over SPI possible. The CXD2880 driver is running in the Linux kernel space and has the common DVB API.

Single board computers have become popular. A low power TV tuner CXD2880 features SPI interface allowing direct attachment to a single board computer such as Raspberry Pi to make your own TV receiver with open source software. It may also be extended to new broadcasting services.

Source code or detail technical information availability
- [linux/drivers/media/dvb-frontends/cxd2880/](https://github.com/lilac/lilac/tree/main/linux/drivers/media/dvb-frontends/cxd2880)
- [linux/drivers/media/spi/cxd2880-spi.c](https://github.com/lilac/lilac/tree/main/linux/drivers/media/spi/cxd2880-spi.c)

In Linux Kernel 4.17 or later versions

**Hardware Information**

- TV tuner: Sony CXD2880
- SoC: Broadcom BCM2837 on Raspberry Pi 3