

DATV Roadmap What's new?

DATV FORUM

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PlutoDVB2 Firmware

Evariste F50E0

- PlutoDVB2 firmware is a DVB dedicated firmware for the Adalm-Pluto, Pluto+ and AntSDR E200 SDRs
- It uses an innovative approach to control the modulator, the spectrum display and the Minitiouner with MQTT messages
- It has generated a lot of interest among OM developers, who have created great user interfaces for it.

https://github.com/F5OEO/pluto-ori-ps/wiki



DATV-Red Software

Ohan ZS1SCI

- The software is design to provide a graphical user interface for the PlutoDVB2 firmware. It is written with Node-RFD
- It provides stream encoding, modulator and tuner control, on board spectrum from the Pluto, QO-100 Chat into one interface
- It is cross platform and installation is very simple

https://github.com/Psynosaur/DATV-Red/wiki



DATV-Easy Software

Dominique F1EJP

- The software is design to provide a graphical user interface for the PlutoDVB2 firmware. It is written for Windows
- It allows transmission in DVB-S, DVB-S2 and DVB-T with a Limesdr mini, Pluto and its original firmware or F50EO firmware and HackRF One
- Configuration is facilitated for beginners by default preset values

https://github.com/F1EJP/DATV-Easy



Portsdown 4 Transceiver

Dave G8GKQ

- The Portsdown 4 transceiver software designed to be used with the Raspberry Pi 4 and the official Raspberry Pi 7 inch touchscreen.
- It will give you a DVB-S2 and DVB-T DATV transmit system from 30-3500 MHz using a Lime SDR and 50MHz-4100 MHz with the Pluto
- With the addition of a MiniTiouner receiver, you will have a full spec DVB-S/S2 DATV transceiver

https://wiki.batc.org.uk/Portsdown_4



OPEN TUNER Software

Tom ZR6TG

- The software is design to provide a GUI for DATV reception with the MiniTiouner hardware. It is written for Windows
- The software has been developed primarily for use on QO-100 and includes a click and tune waterfall display and chat facility
- It uses the LongMynd software developed by Heather M0MHO for the MiniTiouner

https://www.zr6tg.co.za/open-tuner/



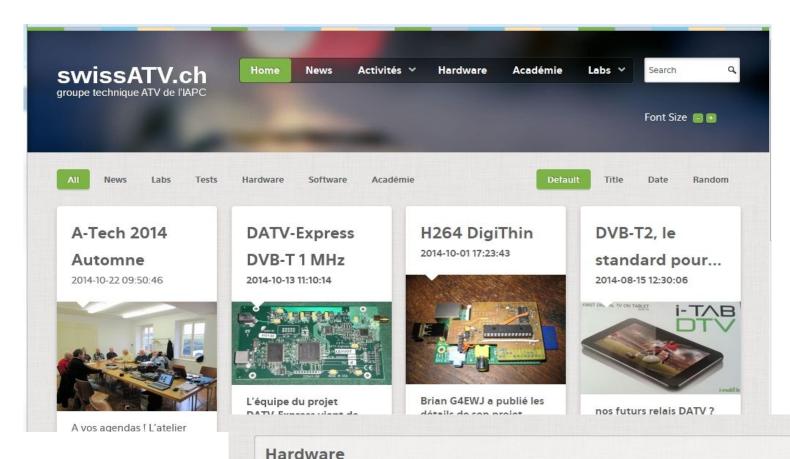
H.266 / VVC Codec

Fraunhofer Heinrich-Hertz Institut

- H266/VVC for Versatile Video Coding is a video codec published by the Joint Video Experts Team (JVET). It was developed by the Fraunhofer Institute in partnership with industry
- It is claimed to offer twice the compression rate of H.265/HEVC for the same quality
- Thanks to Michael DL5OCD, the first one to integrate it in his sofware DATV-NotSoEasy and share it experience with others developers



References





Good hack!

