Linux video input infrastructure (V4L/DVB) development discussion and bug report mailing list. Covers drivers for Web Cams, Analog and Digital input and TV capture and AM/FM radio receivers.

PROJECT WEB PAGE

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Hans Verkuil | 13 Mar 13:31 2011   **headers**

Picon [ANN] Agenda for the Warsaw meeting.
Picon

     Agenda for V4L2 brainstorm meeting in Warsaw, March 16-18 2011.

     Purpose of the meeting: to brainstorm about current V4L2 API limitations
     with regards to required functionality. Ideally the results of the meeting
     are actual solutions to these problems, but at the very least we should
     have a concensus of what direction to take and who will continue working
     on each problem. The hope is that this meeting will save us endless email
     and irc discussions.

     It is *not* a summit meeting, so any conclusions need to be discussed and
     approved on the mailinglist.

     The basic outline is the same as during previous meetings: the first day we
     go through all the agenda points and make sure everyone understands the
     problem. Smaller issues will be discussed and decided, more complex issues
     are just discussed.

     The second day we go in depth into the complex issues and try to come up with
     ideas that might work. The last day we translate the all agenda items into
     actions.

     This approach worked well in the past and it ensures that we end up with
     something concrete.

     Those who have a vested interest in an agenda item should be prepared to
     explain their take on it and if necessary have a presentation ready.

     Besides the main agenda I also added a few items falling under the category
     'if time permits'.

     (Continue reading)

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Jason Hecker | 14 Mar 05:10 2011   **headers**

Picon Re: [ANN] Agenda for the Warsaw meeting.

          > B) Use of V4L2 as a frontend for SW/DSP codecs
          >   (Laurent)

          This would be good.   Realtek's RT2832U chip can tune to and possibly
          demodulate DAB/DAB+ and FM along with the usual DVB-T. Realtek does
          support DAB and FM in Windows with this part but not in Linux and in
          spite of promises from one of their developers I haven't seen anything
          from them. I think it'd be good to get this part talking to the DAB

into the driver but I suspect an API to allow a user space demodulator
to read ADC baseband data from such a device would be best and safest.

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Hans Verkuil | 14 Mar 08:36 2011   **headers**

🖼Picon **Re: [ANN] Agenda for the Warsaw meeting.**
🖼Picon

On Monday, March 14, 2011 05:10:53 Jason Hecker wrote:
> > B) Use of V4L2 as a frontend for SW/DSP codecs
> >   (Laurent)
>
> This would be good.   Realtek's RT2832U chip can tune to and possibly
> demodulate DAB/DAB+ and FM along with the usual DVB-T. Realtek does
> support DAB and FM in Windows with this part but not in Linux and in
> spite of promises from one of their developers I haven't seen anything
> from them.

When you do, make sure they post it to linux-media! FM support is part of
the V4L API. We had support for a DAB device, but it turned out that:
1) the driver hadn't worked for ages and 2) the DAB API was never reviewed
or documented, 3) the hardware wasn't available anymore, so it was removed
recently.

I'd love to help create a proper DAB API.

Regards,

        Hans

> I think it'd be good to get this part talking to the DAB
> processing routines in OpenDAB or OpenMoko as I strongly suspect the
> part can tune to and provide a digital version of the bandband signal
> for demodulation of DAB or FM in user space.
>
> It might be a good opportunity to get a signal processing framework
> into the driver but I suspect an API to allow a user space demodulator
> to read ADC baseband data from such a device would be best and safest.

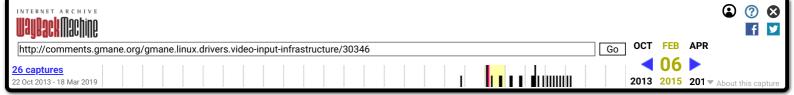**(Continue reading)**

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Alex Deucher | 14 Mar 06:33 2011   **headers**

🖼Picon **Re: [ANN] Agenda for the Warsaw meeting.**

On Sun, Mar 13, 2011 at 8:31 AM, Hans Verkuil <hverkuil <at> xs4all.nl> wrote:
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Hans Verkuil | 14 Mar 08:24 2011   headers

Picon Re: [ANN] Agenda for the Warsaw meeting.
Picon

On Monday, March 14, 2011 06:33:46 Alex Deucher wrote:

> On Sun, Mar 13, 2011 at 8:31 AM, Hans Verkuil <hverkuil <at> xs4all.nl> v

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