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<!-- Functions -->
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<!-- Types -->

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<!ENTITY v4l2-timecode "struct<link
linkend='v4l2-timecode'>v4l2_timecode</link>">
<!ENTITY v4l2-tuner "struct<link linkend='v4l2-tuner'>v4l2_tuner</link>">
<!ENTITY v4l2-vbi-format "struct<link
linkend='v4l2-vbi-format'>v4l2_vbi_format</link>">
<!ENTITY v4l2-window "struct<link
linkend='v4l2-window'>v4l2_window</link>">

```

```
<!-- Error Codes -->
```

```

<!ENTITY EACCES "<errorcode>EACCES</errorcode> error code">
<!ENTITY EAGAIN "<errorcode>EAGAIN</errorcode> error code">
<!ENTITY EBADF "<errorcode>EBADF</errorcode> error code">
<!ENTITY EBUSY "<errorcode>EBUSY</errorcode> error code">
<!ENTITY EFAULT "<errorcode>EFAULT</errorcode> error code">
<!ENTITY EIO "<errorcode>EIO</errorcode> error code">
<!ENTITY EINTR "<errorcode>EINTR</errorcode> error code">
<!ENTITY EINVAL "<errorcode>EINVAL</errorcode> error code">
<!ENTITY ENFILE "<errorcode>ENFILE</errorcode> error code">
<!ENTITY ENOMEM "<errorcode>ENOMEM</errorcode> error code">
<!ENTITY ENOSPC "<errorcode>ENOSPC</errorcode> error code">
<!ENTITY ENOTTY "<errorcode>ENOTTY</errorcode> error code">
<!ENTITY ENXIO "<errorcode>ENXIO</errorcode> error code">
<!ENTITY EMFILE "<errorcode>EMFILE</errorcode> error code">
<!ENTITY EPERM "<errorcode>EPERM</errorcode> error code">
<!ENTITY ERANGE "<errorcode>ERANGE</errorcode> error code">

```

```
<!-- Subsections -->
```

```

<!ENTITY sub-biblio SYSTEM "v4l/biblio.xml">
<!ENTITY sub-common SYSTEM "v4l/common.xml">
<!ENTITY sub-compat SYSTEM "v4l/compat.xml">
<!ENTITY sub-controls SYSTEM "v4l/controls.xml">
<!ENTITY sub-dev-capture SYSTEM "v4l/dev-capture.xml">
<!ENTITY sub-dev-codec SYSTEM "v4l/dev-codec.xml">
<!ENTITY sub-dev-event SYSTEM "v4l/dev-event.xml">
<!ENTITY sub-dev-effect SYSTEM "v4l/dev-effect.xml">
<!ENTITY sub-dev-osd SYSTEM "v4l/dev-osd.xml">
<!ENTITY sub-dev-output SYSTEM "v4l/dev-output.xml">
<!ENTITY sub-dev-overlay SYSTEM "v4l/dev-overlay.xml">
<!ENTITY sub-dev-radio SYSTEM "v4l/dev-radio.xml">
<!ENTITY sub-dev-raw-vbi SYSTEM "v4l/dev-raw-vbi.xml">

```

```

<!ENTITY sub-dev-rds SYSTEM "v4l/dev-rds.xml">
<!ENTITY sub-dev-sliced-vbi SYSTEM "v4l/dev-sliced-vbi.xml">
<!ENTITY sub-dev-teletext SYSTEM "v4l/dev-teletext.xml">
<!ENTITY sub-driver SYSTEM "v4l/driver.xml">
<!ENTITY sub-libv4l SYSTEM "v4l/libv4l.xml">
<!ENTITY sub-remote_controllers SYSTEM "v4l/remote_controllers.xml">
<!ENTITY sub-fdl-appendix SYSTEM "v4l/fdl-appendix.xml">
<!ENTITY sub-close SYSTEM "v4l/func-close.xml">
<!ENTITY sub-ioctl SYSTEM "v4l/func-ioctl.xml">
<!ENTITY sub-mmap SYSTEM "v4l/func-mmap.xml">
<!ENTITY sub-munmap SYSTEM "v4l/func-munmap.xml">
<!ENTITY sub-open SYSTEM "v4l/func-open.xml">
<!ENTITY sub-poll SYSTEM "v4l/func-poll.xml">
<!ENTITY sub-read SYSTEM "v4l/func-read.xml">
<!ENTITY sub-select SYSTEM "v4l/func-select.xml">
<!ENTITY sub-write SYSTEM "v4l/func-write.xml">
<!ENTITY sub-io SYSTEM "v4l/io.xml">
<!ENTITY sub-grey SYSTEM "v4l/pixfmt-grey.xml">
<!ENTITY sub-nv12 SYSTEM "v4l/pixfmt-nv12.xml">
<!ENTITY sub-nv16 SYSTEM "v4l/pixfmt-nv16.xml">
<!ENTITY sub-packed-rgb SYSTEM "v4l/pixfmt-packed-rgb.xml">
<!ENTITY sub-packed-yuv SYSTEM "v4l/pixfmt-packed-yuv.xml">
<!ENTITY sub-sbggr16 SYSTEM "v4l/pixfmt-sbggr16.xml">
<!ENTITY sub-sbggr8 SYSTEM "v4l/pixfmt-sbggr8.xml">
<!ENTITY sub-sbgrg8 SYSTEM "v4l/pixfmt-sbgrg8.xml">
<!ENTITY sub-sgrbg8 SYSTEM "v4l/pixfmt-sgrbg8.xml">
<!ENTITY sub-uyvy SYSTEM "v4l/pixfmt-uyvy.xml">
<!ENTITY sub-vyuy SYSTEM "v4l/pixfmt-vyuy.xml">
<!ENTITY sub-y16 SYSTEM "v4l/pixfmt-y16.xml">
<!ENTITY sub-y41p SYSTEM "v4l/pixfmt-y41p.xml">
<!ENTITY sub-yuv410 SYSTEM "v4l/pixfmt-yuv410.xml">
<!ENTITY sub-yuv411p SYSTEM "v4l/pixfmt-yuv411p.xml">
<!ENTITY sub-yuv420 SYSTEM "v4l/pixfmt-yuv420.xml">
<!ENTITY sub-yuv422p SYSTEM "v4l/pixfmt-yuv422p.xml">
<!ENTITY sub-yuyv SYSTEM "v4l/pixfmt-yuyv.xml">
<!ENTITY sub-yvyu SYSTEM "v4l/pixfmt-yvyu.xml">
<!ENTITY sub-pixfmt SYSTEM "v4l/pixfmt.xml">
<!ENTITY sub-cropcap SYSTEM "v4l/vidioc-cropcap.xml">
<!ENTITY sub-dbg-g-register SYSTEM "v4l/vidioc-dbg-g-register.xml">
<!ENTITY sub-encoder-cmd SYSTEM "v4l/vidioc-encoder-cmd.xml">
<!ENTITY sub-enum-fmt SYSTEM "v4l/vidioc-enum-fmt.xml">
<!ENTITY sub-enum-frameintervals SYSTEM "v4l/vidioc-enum-frameintervals.xml">
<!ENTITY sub-enum-framesizes SYSTEM "v4l/vidioc-enum-framesizes.xml">
<!ENTITY sub-enumaudio SYSTEM "v4l/vidioc-enumaudio.xml">
<!ENTITY sub-enumaudioout SYSTEM "v4l/vidioc-enumaudioout.xml">
<!ENTITY sub-enuminput SYSTEM "v4l/vidioc-enuminput.xml">
<!ENTITY sub-enumoutput SYSTEM "v4l/vidioc-enumoutput.xml">
<!ENTITY sub-enum-dv-presets SYSTEM "v4l/vidioc-enum-dv-presets.xml">
<!ENTITY sub-g-dv-preset SYSTEM "v4l/vidioc-g-dv-preset.xml">
<!ENTITY sub-query-dv-preset SYSTEM "v4l/vidioc-query-dv-preset.xml">
<!ENTITY sub-g-dv-timings SYSTEM "v4l/vidioc-g-dv-timings.xml">
<!ENTITY sub-enumstd SYSTEM "v4l/vidioc-enumstd.xml">
<!ENTITY sub-g-audio SYSTEM "v4l/vidioc-g-audio.xml">
<!ENTITY sub-g-audioout SYSTEM "v4l/vidioc-g-audioout.xml">
<!ENTITY sub-dbg-g-chip-ident SYSTEM "v4l/vidioc-dbg-g-chip-ident.xml">
<!ENTITY sub-g-crop SYSTEM "v4l/vidioc-g-crop.xml">

```


media-entities.tmpl.txt

```
<!ENTITY sub-g-ctrl SYSTEM "v4l/vidioc-g-ctrl.xml">
<!ENTITY sub-g-enc-index SYSTEM "v4l/vidioc-g-enc-index.xml">
<!ENTITY sub-g-ext-ctrls SYSTEM "v4l/vidioc-g-ext-ctrls.xml">
<!ENTITY sub-g-fbuf SYSTEM "v4l/vidioc-g-fbuf.xml">
<!ENTITY sub-g-fmt SYSTEM "v4l/vidioc-g-fmt.xml">
<!ENTITY sub-g-frequency SYSTEM "v4l/vidioc-g-frequency.xml">
<!ENTITY sub-g-input SYSTEM "v4l/vidioc-g-input.xml">
<!ENTITY sub-g-jpegcomp SYSTEM "v4l/vidioc-g-jpegcomp.xml">
<!ENTITY sub-g-modulator SYSTEM "v4l/vidioc-g-modulator.xml">
<!ENTITY sub-g-output SYSTEM "v4l/vidioc-g-output.xml">
<!ENTITY sub-g-parm SYSTEM "v4l/vidioc-g-parm.xml">
<!ENTITY sub-g-priority SYSTEM "v4l/vidioc-g-priority.xml">
<!ENTITY sub-g-sliced-vbi-cap SYSTEM "v4l/vidioc-g-sliced-vbi-cap.xml">
<!ENTITY sub-g-std SYSTEM "v4l/vidioc-g-std.xml">
<!ENTITY sub-g-tuner SYSTEM "v4l/vidioc-g-tuner.xml">
<!ENTITY sub-log-status SYSTEM "v4l/vidioc-log-status.xml">
<!ENTITY sub-overlay SYSTEM "v4l/vidioc-overlay.xml">
<!ENTITY sub-qbuf SYSTEM "v4l/vidioc-qbuf.xml">
<!ENTITY sub-querybuf SYSTEM "v4l/vidioc-querybuf.xml">
<!ENTITY sub-querycap SYSTEM "v4l/vidioc-querycap.xml">
<!ENTITY sub-queryctrl SYSTEM "v4l/vidioc-queryctrl.xml">
<!ENTITY sub-querystd SYSTEM "v4l/vidioc-querystd.xml">
<!ENTITY sub-reqbufs SYSTEM "v4l/vidioc-reqbufs.xml">
<!ENTITY sub-s-hw-freq-seek SYSTEM "v4l/vidioc-s-hw-freq-seek.xml">
<!ENTITY sub-streamon SYSTEM "v4l/vidioc-streamon.xml">
<!ENTITY sub-capture-c SYSTEM "v4l/capture.c.xml">
<!ENTITY sub-keytable-c SYSTEM "v4l/keytable.c.xml">
<!ENTITY sub-v4l2grab-c SYSTEM "v4l/v4l2grab.c.xml">
<!ENTITY sub-videodev2-h SYSTEM "v4l/videodev2.h.xml">
<!ENTITY sub-v4l2 SYSTEM "v4l/v4l2.xml">
<!ENTITY sub-dqevent SYSTEM "v4l/vidioc-dqevent.xml">
<!ENTITY sub-subscribe-event SYSTEM "v4l/vidioc-subscribe-event.xml">
<!ENTITY sub-intro SYSTEM "dvb/intro.xml">
<!ENTITY sub-frontend SYSTEM "dvb/frontend.xml">
<!ENTITY sub-dvbproperty SYSTEM "dvb/dvbproperty.xml">
<!ENTITY sub-demux SYSTEM "dvb/demux.xml">
<!ENTITY sub-video SYSTEM "dvb/video.xml">
<!ENTITY sub-audio SYSTEM "dvb/audio.xml">
<!ENTITY sub-ca SYSTEM "dvb/ca.xml">
<!ENTITY sub-net SYSTEM "dvb/net.xml">
<!ENTITY sub-kdapi SYSTEM "dvb/kdapi.xml">
<!ENTITY sub-examples SYSTEM "dvb/examples.xml">
<!ENTITY sub-frontend-h SYSTEM "dvb/frontend.h.xml">
<!ENTITY sub-dvbapi SYSTEM "dvb/dvbapi.xml">
<!ENTITY sub-media SYSTEM "media.xml">
<!ENTITY sub-media-entities SYSTEM "media-entities.tmpl">
<!ENTITY sub-media-indices SYSTEM "media-indices.tmpl">
```

<!-- Function Reference -->

```
<!ENTITY close SYSTEM "v4l/func-close.xml">
<!ENTITY ioctl SYSTEM "v4l/func-ioctl.xml">
<!ENTITY mmap SYSTEM "v4l/func-mmap.xml">
<!ENTITY munmap SYSTEM "v4l/func-munmap.xml">
<!ENTITY open SYSTEM "v4l/func-open.xml">
<!ENTITY poll SYSTEM "v4l/func-poll.xml">
<!ENTITY read SYSTEM "v4l/func-read.xml">
```

```
<!ENTITY select SYSTEM "v4l/func-select.xml">
<!ENTITY write SYSTEM "v4l/func-write.xml">
<!ENTITY grey SYSTEM "v4l/pixfmt-grey.xml">
<!ENTITY nv12 SYSTEM "v4l/pixfmt-nv12.xml">
<!ENTITY nv16 SYSTEM "v4l/pixfmt-nv16.xml">
<!ENTITY packed-rgb SYSTEM "v4l/pixfmt-packed-rgb.xml">
<!ENTITY packed-yuv SYSTEM "v4l/pixfmt-packed-yuv.xml">
<!ENTITY sbggr16 SYSTEM "v4l/pixfmt-sbggr16.xml">
<!ENTITY sbggr8 SYSTEM "v4l/pixfmt-sbggr8.xml">
<!ENTITY sgbrg8 SYSTEM "v4l/pixfmt-sgbrg8.xml">
<!ENTITY sgrbg8 SYSTEM "v4l/pixfmt-sgrbg8.xml">
<!ENTITY uyvy SYSTEM "v4l/pixfmt-uyvy.xml">
<!ENTITY vyuy SYSTEM "v4l/pixfmt-vyuy.xml">
<!ENTITY y16 SYSTEM "v4l/pixfmt-y16.xml">
<!ENTITY y4lp SYSTEM "v4l/pixfmt-y4lp.xml">
<!ENTITY yuv410 SYSTEM "v4l/pixfmt-yuv410.xml">
<!ENTITY yuv411p SYSTEM "v4l/pixfmt-yuv411p.xml">
<!ENTITY yuv420 SYSTEM "v4l/pixfmt-yuv420.xml">
<!ENTITY yuv422p SYSTEM "v4l/pixfmt-yuv422p.xml">
<!ENTITY yuyv SYSTEM "v4l/pixfmt-yuyv.xml">
<!ENTITY yvyu SYSTEM "v4l/pixfmt-yvyu.xml">
<!ENTITY cropcap SYSTEM "v4l/vidioc-cropcap.xml">
<!ENTITY dbg-g-register SYSTEM "v4l/vidioc-dbg-g-register.xml">
<!ENTITY encoder-cmd SYSTEM "v4l/vidioc-encoder-cmd.xml">
<!ENTITY enum-fmt SYSTEM "v4l/vidioc-enum-fmt.xml">
<!ENTITY enum-frameintervals SYSTEM "v4l/vidioc-enum-frameintervals.xml">
<!ENTITY enum-framesizes SYSTEM "v4l/vidioc-enum-framesizes.xml">
<!ENTITY enumaudio SYSTEM "v4l/vidioc-enumaudio.xml">
<!ENTITY enumaudioout SYSTEM "v4l/vidioc-enumaudioout.xml">
<!ENTITY enuminput SYSTEM "v4l/vidioc-enuminput.xml">
<!ENTITY enumoutput SYSTEM "v4l/vidioc-enumoutput.xml">
<!ENTITY enum-dv-presets SYSTEM "v4l/vidioc-enum-dv-presets.xml">
<!ENTITY g-dv-preset SYSTEM "v4l/vidioc-g-dv-preset.xml">
<!ENTITY query-dv-preset SYSTEM "v4l/vidioc-query-dv-preset.xml">
<!ENTITY g-dv-timings SYSTEM "v4l/vidioc-g-dv-timings.xml">
<!ENTITY enumstd SYSTEM "v4l/vidioc-enumstd.xml">
<!ENTITY g-audio SYSTEM "v4l/vidioc-g-audio.xml">
<!ENTITY g-audioout SYSTEM "v4l/vidioc-g-audioout.xml">
<!ENTITY dbg-g-chip-ident SYSTEM "v4l/vidioc-dbg-g-chip-ident.xml">
<!ENTITY g-crop SYSTEM "v4l/vidioc-g-crop.xml">
<!ENTITY g-ctrl SYSTEM "v4l/vidioc-g-ctrl.xml">
<!ENTITY g-enc-index SYSTEM "v4l/vidioc-g-enc-index.xml">
<!ENTITY g-ext-ctrls SYSTEM "v4l/vidioc-g-ext-ctrls.xml">
<!ENTITY g-fbuf SYSTEM "v4l/vidioc-g-fbuf.xml">
<!ENTITY g-fmt SYSTEM "v4l/vidioc-g-fmt.xml">
<!ENTITY g-frequency SYSTEM "v4l/vidioc-g-frequency.xml">
<!ENTITY g-input SYSTEM "v4l/vidioc-g-input.xml">
<!ENTITY g-jpegcomp SYSTEM "v4l/vidioc-g-jpegcomp.xml">
<!ENTITY g-modulator SYSTEM "v4l/vidioc-g-modulator.xml">
<!ENTITY g-output SYSTEM "v4l/vidioc-g-output.xml">
<!ENTITY g-parm SYSTEM "v4l/vidioc-g-parm.xml">
<!ENTITY g-priority SYSTEM "v4l/vidioc-g-priority.xml">
<!ENTITY g-sliced-vbi-cap SYSTEM "v4l/vidioc-g-sliced-vbi-cap.xml">
<!ENTITY g-std SYSTEM "v4l/vidioc-g-std.xml">
<!ENTITY g-tuner SYSTEM "v4l/vidioc-g-tuner.xml">
<!ENTITY log-status SYSTEM "v4l/vidioc-log-status.xml">
```

media-entities.tmpl.txt

```
<!ENTITY overlay SYSTEM "v4l/vidioc-overlay.xml">
<!ENTITY qbuf SYSTEM "v4l/vidioc-qbuf.xml">
<!ENTITY querybuf SYSTEM "v4l/vidioc-querybuf.xml">
<!ENTITY querycap SYSTEM "v4l/vidioc-querycap.xml">
<!ENTITY queryctrl SYSTEM "v4l/vidioc-queryctrl.xml">
<!ENTITY querystd SYSTEM "v4l/vidioc-querystd.xml">
<!ENTITY reqbufs SYSTEM "v4l/vidioc-reqbufs.xml">
<!ENTITY s-hw-freq-seek SYSTEM "v4l/vidioc-s-hw-freq-seek.xml">
<!ENTITY streamon SYSTEM "v4l/vidioc-streamon.xml">
<!ENTITY dqevent SYSTEM "v4l/vidioc-dqevent.xml">
<!ENTITY subscribe_event SYSTEM "v4l/vidioc-subscribe-event.xml">
```