VIDEO_GET_EVENT

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\drivers\staging\media\av7110\[linux-master][drivers][staging][media][av7110]video-get-event.rst, line 2)

Unknown directive type "c:namespace".

```
.. c:namespace:: DTV.video
```

Name

VIDEO_GET_EVENT

Attention!

This ioctl is deprecated.

Synopsis

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\drivers\staging\media\av7110\[linux-master][drivers][staging][media][av7110]video-get-event.rst, line 20)

Unknown directive type "c:macro".

```
.. c:macro:: VIDEO_GET_EVENT
```

```
int ioctl(fd, VIDEO_GET_EVENT, struct video_event *ev)
```

Arguments

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\drivers\staging\media\av7110\[linux-master][drivers][staging][media][av7110]video-get-event.rst, line 27)

Unknown directive type "flat-table".

```
.. flat-table::
    :header-rows:  0
    :stub-columns: 0

    -  .. row 1

       -  int fd

       -  File descriptor returned by a previous call to open().

    -  .. row 2

       -  int request

       -  Equals VIDEO_GET_EVENT for this command.

    -  .. row 3

       -  struct video_event \*ev

       -  Points to the location where the event, if any, is to be stored.
```

Description

This ioctl is for Digital TV devices only. To get events from a V4L2 decoder use the V4L2 :ref:`VIDIOC_DQEVENT` ioctl instead.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\drivers\staging\media\av7110\[linux-master][drivers][staging][media][av7110]video-get-event.rst, line 52); backlink

Unknown interpreted text role "ref".

This ioctl call returns an event of type video_event if available. If an event is not available, the behavior depends on whether the device is in blocking or non-blocking mode. In the latter case, the call fails immediately with errno set to EWOULDBLOCK. In the former case, the call blocks until an event becomes available. The standard Linux poll() and/or select() system calls can be used with the device file descriptor to watch for new events. For select(), the file descriptor should be included in the exceptfds argument, and for poll(), POLLPRI should be specified as the wake-up condition. Read-only permissions are sufficient for this ioctl call.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\drivers\staging\media\av7110\[linux-master][drivers][staging][media][av7110]video-get-event.rst, line 66)

Unknown directive type "c:type".

```
.. c:type:: video_event
```

```
struct video_event {
        __s32 type;
#define VIDEO_EVENT_SIZE_CHANGED        1
#define VIDEO_EVENT_FRAME_RATE_CHANGED  2
#define VIDEO_EVENT_DECODER_STOPPED     3
#define VIDEO_EVENT_VSYNC               4
        long timestamp;
        union {
                video_size_t size;
                unsigned int frame_rate;        /* in frames per 1000sec */
                unsigned char vsync_field;      /* unknown/odd/even/progressive */
        } u;
};
```

Return Value

On success 0 is returned, on error -1 and the errno variable is set appropriately. The generic error codes are described at the :ref:`Generic Error Codes <gen-errors>` chapter.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\drivers\staging\media\av7110\[linux-master][drivers][staging][media][av7110]video-get-event.rst, line 87); backlink

Unknown interpreted text role "ref".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\drivers\staging\media\av7110\[linux-master][drivers][staging][media][av7110]video-get-event.rst, line 91)

Unknown directive type "flat-table".

```
.. flat-table::
    :header-rows:  0
    :stub-columns: 0

    -  .. row 1

       -  ``EWOULDBLOCK``

       -  There is no event pending, and the device is in non-blocking mode.

    -  .. row 2

       -  ``EOVERFLOW``

       -  Overflow in event queue - one or more events were lost.
```