ioctl FE_READ_STATUS

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Unknown directive type "c:namespace".

```
.. c:namespace:: DTV.fe
```

Name

FE_READ_STATUS - Returns status information about the front-end. This call only requires - read-only access to the device

Synopsis

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Unknown directive type "c:macro".

```
.. c:macro:: FE_READ_STATUS
```

```
int ioctl(int fd, FE_READ_STATUS, unsigned int *status)
```

Arguments

`fd`

File descriptor returned by :c:func:`open()`.

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Unknown interpreted text role "c:func".

`status`

pointer to a bitmask integer filled with the values defined by enum :c:type:`fe_status`.

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Unknown interpreted text role "c:type".

Description

All Digital TV frontend devices support the `FE_READ_STATUS` ioctl. It is used to check about the locking status of the frontend after being tuned. The ioctl takes a pointer to an integer where the status will be written.

Note

The size of status is actually sizeof(enum fe_status), with varies according with the architecture. This needs to be fixed in the future.

int fe_status

The fe_status parameter is used to indicate the current state and/or state changes of the frontend hardware. It is produced using the enum :c:type:`fe_status` values on a bitmask

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Unknown interpreted text role "c:type".

Return Value

On success 0 is returned.

On error -1 is returned, and the `errno` variable is set appropriately.

Generic error codes are described at the :ref:`Generic Error Codes <gen-errors>` chapter.

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