Generic Error Codes

System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\(linux-master)(Documentation)(userspace-api)(media)gen-errors.rst`, line 12)

Unknown directive type "tabularcolumns".

```
.. tabularcolumns:: |p{2.5cm}|p{15.0cm}|
```

System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\(linux-master)(Documentation)(userspace-api)(media)gen-errors.rst`, line 14)

Unknown directive type "flat-table".

```
.. flat-table:: Generic error codes
    :header-rows:  0
    :stub-columns: 0
    :widths: 1 16


    -  -  ``EAGAIN`` (aka ``EWOULDBLOCK``)

       -  The ioctl can't be handled because the device is in state where it
          can't perform it. This could happen for example in case where
          device is sleeping and ioctl is performed to query statistics. It
          is also returned when the ioctl would need to wait for an event,
          but the device was opened in non-blocking mode.

    -  -  ``EBADF``

       -  The file descriptor is not a valid.

    -  -  ``EBUSY``

       -  The ioctl can't be handled because the device is busy. This is
          typically return while device is streaming, and an ioctl tried to
          change something that would affect the stream, or would require
          the usage of a hardware resource that was already allocated. The
          ioctl must not be retried without performing another action to fix
          the problem first (typically: stop the stream before retrying).

    -  -  ``EFAULT``

       -  There was a failure while copying data from/to userspace, probably
          caused by an invalid pointer reference.

    -  -  ``EINVAL``

       -  One or more of the ioctl parameters are invalid or out of the
          allowed range. This is a widely used error code. See the
          individual ioctl requests for specific causes.

    -  -  ``ENODEV``

       -  Device not found or was removed.

    -  -  ``ENOMEM``

       -  There's not enough memory to handle the desired operation.

    -  -  ``ENOTTY``

       -  The ioctl is not supported by the driver, actually meaning that
          the required functionality is not available, or the file
          descriptor is not for a media device.

    -  -  ``ENOSPC``

       -  On USB devices, the stream ioctl's can return this error, meaning
          that this request would overcommit the usb bandwidth reserved for
          periodic transfers (up to 80% of the USB bandwidth).

    -  -  ``EPERM``
```

```
              -  Permission denied. Can be returned if the device needs write
                 permission, or some special capabilities is needed (e. g. root)

     -  -  ``EIO``

              -  I/O error. Typically used when there are problems communicating with
                 a hardware device. This could indicate broken or flaky hardware.
                 It's a 'Something is wrong, I give up!' type of error.

     -  -  ``ENXIO``

              -  No device corresponding to this device special file exists.
```

Note

1. This list is not exhaustive; ioctls may return other error codes. Since errors may have side effects such as a driver reset, applications should abort on unexpected errors, or otherwise assume that the device is in a bad state.
2. Request-specific error codes are listed in the individual requests descriptions.