

# V4L2\_PIX\_FMT\_Y12I ('Y12I')

Interleaved grey-scale image, e.g. from a stereo-pair

## Description

This is a grey-scale image with a depth of 12 bits per pixel, but with pixels from 2 sources interleaved and bit-packed. Each pixel is stored in a 24-bit word in the little-endian order. On a little-endian machine these pixels can be deinterlaced using

```
__u8 *buf;
left0 = 0xffff & *(__u16 *)buf;
right0 = *(__u16 *) (buf + 1) >> 4;
```

**Bit-packed representation.** pixels cross the byte boundary and have a ratio of 3 bytes for each interleaved pixel.

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\v4l\linux-master) (Documentation) (userspace-api) (media) (v4l)pixfmt-y12i.rst, line 30)**

Unknown directive type "flat-table".

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

   * - Y'\ :sub:`0left[7:0]`
     - Y'\ :sub:`0right[3:0]`\ Y'\ :sub:`0left[11:8]`
     - Y'\ :sub:`0right[11:4]`
```