

V4L2_PIX_FMT_SRGGB14 ('RG14'), V4L2_PIX_FMT_SGRBG14 ('GR14'), V4L2_PIX_FMT_SGBRG14 ('GB14'), V4L2_PIX_FMT_SBGGR14 ('BG14'),

14-bit Bayer formats expanded to 16 bits

Description

These four pixel formats are raw sRGB / Bayer formats with 14 bits per colour. Each sample is stored in a 16-bit word, with two unused high bits filled with zeros. Each n-pixel row contains n/2 green samples and n/2 blue or red samples, with alternating red and blue rows. Bytes are stored in memory in little endian order. They are conventionally described as GRGR... BGBG..., RGRG... GBGB..., etc. Below is an example of a small V4L2_PIX_FMT_SBGGR14 image:

Byte Order. Each cell is one byte, the two most significant bits in the high bytes are zero.

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-srggb14.rst, line 36)

Unknown directive type "flat-table".

```
.. flat-table::
   :header-rows: 0
   :stub-columns: 0
   :widths:      2 1 1 1 1 1 1 1
```

```
* - start + 0:
  - B\ :sub:`00low`
  - B\ :sub:`00high`
  - G\ :sub:`01low`
  - G\ :sub:`01high`
  - B\ :sub:`02low`
  - B\ :sub:`02high`
  - G\ :sub:`03low`
  - G\ :sub:`03high`
* - start + 8:
  - G\ :sub:`10low`
  - G\ :sub:`10high`
  - R\ :sub:`11low`
  - R\ :sub:`11high`
  - G\ :sub:`12low`
  - G\ :sub:`12high`
  - R\ :sub:`13low`
  - R\ :sub:`13high`
* - start + 16:
  - B\ :sub:`20low`
  - B\ :sub:`20high`
  - G\ :sub:`21low`
  - G\ :sub:`21high`
  - B\ :sub:`22low`
  - B\ :sub:`22high`
  - G\ :sub:`23low`
  - G\ :sub:`23high`
* - start + 24:
  - G\ :sub:`30low`
  - G\ :sub:`30high`
  - R\ :sub:`31low`
  - R\ :sub:`31high`
  - G\ :sub:`32low`
  - G\ :sub:`32high`
  - R\ :sub:`33low`
  - R\ :sub:`33high`
```