V4L2_PIX_FMT_SRGGB8 ('RGGB'), V4L2_PIX_FMT_SGRBG8 ('GRBG'), V4L2_PIX_FMT_SGBRG8 ('GBRG'), V4L2_PIX_FMT_SBGGR8 ('BA81'),

8-bit Bayer formats

Description

These four pixel formats are raw sRGB / Bayer formats with 8 bits per sample. Each sample is stored in a byte. Each n-pixel row contains n/2 green samples and n/2 blue or red samples, with alternating red and blue rows. They are conventionally described as GRGR... BGBG..., RGRG... GBGB..., etc. Below is an example of a small V4L2_PIX_FMT_SBGGR8 image:

Byte Order. Each cell is one byte.

<div style="border:1px solid black">

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-srggb8.rst, line 32`)

Unknown directive type "flat-table".

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

    * - start + 0:
      - B\ :sub:`00`
      - G\ :sub:`01`
      - B\ :sub:`02`
      - G\ :sub:`03`
    * - start + 4:
      - G\ :sub:`10`
      - R\ :sub:`11`
      - G\ :sub:`12`
      - R\ :sub:`13`
    * - start + 8:
      - B\ :sub:`20`
      - G\ :sub:`21`
      - B\ :sub:`22`
      - G\ :sub:`23`
    * - start + 12:
      - G\ :sub:`30`
      - R\ :sub:`31`
      - G\ :sub:`32`
      - R\ :sub:`33`
```

</div>