V4L2_SDR_FMT_PCU18BE ('PC18')

Planar complex unsigned 18-bit big endian IQ sample

Description

This format contains a sequence of complex number samples. Each complex number consist of two parts called In-phase and Quadrature (IQ). Both I and Q are represented as a 18 bit unsigned big endian number stored in 32 bit space. The remaining unused bits within the 32 bit space will be padded with 0. I value starts first and Q value starts at an offset equalling half of the buffer size (i.e.) offset = buffersize/2. Out of the 18 bits, bit 17:2 (16 bit) is data and bit 1:0 (2 bit) can be any value.

Byte Order. Each cell is one byte.

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-sdr-pcu18be.rst, line 26)

Unknown directive type "flat-table".

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

    * -  Offset:
      -  Byte B0
      -  Byte B1
      -  Byte B2
      -  Byte B3
    * -  start + 0:
      -  I'\ :sub:`0[17:10]`
      -  I'\ :sub:`0[9:2]`
      -  I'\ :sub:`0[1:0]; B2[5:0]=pad`
      -  pad
    * -  start + 4:
      -  I'\ :sub:`1[17:10]`
      -  I'\ :sub:`1[9:2]`
      -  I'\ :sub:`1[1:0]; B2[5:0]=pad`
      -  pad
    * -  ...
    * - start + offset:
      -  Q'\ :sub:`0[17:10]`
      -  Q'\ :sub:`0[9:2]`
      -  Q'\ :sub:`0[1:0]; B2[5:0]=pad`
      -  pad
    * - start + offset + 4:
      -  Q'\ :sub:`1[17:10]`
      -  Q'\ :sub:`1[9:2]`
      -  Q'\ :sub:`1[1:0]; B2[5:0]=pad`
      -  pad
```