Packed HSV formats

Description

The *hue* (h) is measured in degrees, the equivalence between degrees and LSBs depends on the hsv-encoding used, see :ref:`colorspaces`. The *saturation* (s) and the *value* (v) are measured in percentage of the cylinder: 0 being the smallest value and 255 the maximum.

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-packed-hsv.rst, line 12`); *backlink*

Unknown interpreted text role "ref".

The values are packed in 24 or 32 bit formats.

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-packed-hsv.rst, line 27`)

Unknown directive type "tabularcolumns".

```
.. tabularcolumns:: |p{2.6cm}|p{0.8cm}|p{0.22cm}|p{0.22cm}|p{0.22cm}|p{0.22cm}|p{0.22cm}|p{0.22cm}|p{0.22cm}|p{0.22cm}|p{0.22cm}|p
```

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-packed-hsv.rst, line 31`)

Unknown directive type "flat-table".

```
.. flat-table:: Packed HSV Image Formats
    :header-rows:  2
    :stub-columns: 0

    * - Identifier
      - Code
      -
      - :cspan:`7` Byte 0 in memory
      - :cspan:`7` Byte 1
      - :cspan:`7` Byte 2
      - :cspan:`7` Byte 3
    * -
      -
      - Bit
      - 7
      - 6
      - 5
      - 4
      - 3
      - 2
      - 1
      - 0

      - 7
      - 6
      - 5
      - 4
      - 3
      - 2
      - 1
      - 0

      - 7
      - 6
      - 5
      - 4
      - 3
      - 2
      - 1
      - 0

      - 7
      - 6
      - 5
      - 4
      - 3
      - 2
      - 1
      - 0
    * .. _V4L2-PIX-FMT-HSV32:

      - ``V4L2_PIX_FMT_HSV32``
      - 'HSV4'
      -
      -
      -
      -
      -
      -
      -
      -
      -
      -

      - h\ :sub:`7`
      - h\ :sub:`6`
      - h\ :sub:`5`
      - h\ :sub:`4`
      - h\ :sub:`3`
      - h\ :sub:`2`
      - h\ :sub:`1`
      - h\ :sub:`0`

      - s\ :sub:`7`
      - s\ :sub:`6`
      - s\ :sub:`5`
      - s\ :sub:`4`
      - s\ :sub:`3`
      - s\ :sub:`2`
      - s\ :sub:`1`
      - s\ :sub:`0`

      - v\ :sub:`7`
      - v\ :sub:`6`
      - v\ :sub:`5`
      - v\ :sub:`4`
      - v\ :sub:`3`
      - v\ :sub:`2`
      - v\ :sub:`1`
      - v\ :sub:`0`
    * .. _V4L2-PIX-FMT-HSV24:

      - ``V4L2_PIX_FMT_HSV24``
```

```
- 'HSV3'
-
- h\ :sub:`7`
- h\ :sub:`6`
- h\ :sub:`5`
- h\ :sub:`4`
- h\ :sub:`3`
- h\ :sub:`2`
- h\ :sub:`1`
- h\ :sub:`0`

- s\ :sub:`7`
- s\ :sub:`6`
- s\ :sub:`5`
- s\ :sub:`4`
- s\ :sub:`3`
- s\ :sub:`2`
- s\ :sub:`1`
- s\ :sub:`0`

- v\ :sub:`7`
- v\ :sub:`6`
- v\ :sub:`5`
- v\ :sub:`4`
- v\ :sub:`3`
- v\ :sub:`2`
- v\ :sub:`1`
- v\ :sub:`0`
-
```

Bit 7 is the most significant bit.