



# Alvium C

## Alvium 1800 C-895

Alvium 1800 C-895 innovative MIPI CSI-2 camera with Sony IMX267 CMOS global shutter sensor provides industrial performance for cost effective embedded applications.

### Allgemein

|              |                   |
|--------------|-------------------|
| Modell       | Alvium 1800 C-895 |
| Produktserie | Alvium C          |
| Status       | Available         |

### Sensor

|                   |                         |
|-------------------|-------------------------|
| Sensortyp         | Area scan               |
| Chroma            | Mono or Color           |
| Spektrum          | Visible                 |
| Spektralbereich   | 300 nm to 1100 nm       |
| Auflösung         | 4,112 × 2,176 (8.90 MP) |
| Sensormodell      | Sony IMX267             |
| Verschlusstyp(en) | Global Shutter          |
| Sensorgröße       | 16.3 mm ø (Type 1)      |
| Pixelgröße        | 3.45 µm × 3.45 µm       |

### Pixelformate

|                         |                                                                          |
|-------------------------|--------------------------------------------------------------------------|
| Monochrome Pixelformate | GREY, RAW10, RAW12, RAW8, Y10, Y12                                       |
| YUV-Pixelformate        | UYVY, YCbCr411_8_CbYYCrYY, YCbCr422_8_CbYCrY, YCbCr8_CbYCr, YUV422 8-bit |
| RGB-Pixelformate        | BGR8, RGB3, RGB8 (default), RGB888 (default)                             |
| Bayer-Pixelformate      | BayerGR10, BayerGR10p, BayerGR12, BayerGR12p, BayerGR8                   |

### Timing und Verstärkung

|                 |               |
|-----------------|---------------|
| Max. Bildrate   | 31 fps        |
| Belichtungszeit | 29 µs to 10 s |

## Timing und Verstärkung

|             |                   |
|-------------|-------------------|
| Verstärkung | 0.0 dB to 48.0 dB |
|-------------|-------------------|

## I/Os und Stromversorgung

|                           |                      |
|---------------------------|----------------------|
| Nicht-isolierte Leitungen | 2 programmable GPIOs |
|---------------------------|----------------------|

|                 |                       |
|-----------------|-----------------------|
| Stromversorgung | 5 VDC over MIPI CSI-2 |
|-----------------|-----------------------|

|                |                |
|----------------|----------------|
| Stromverbrauch | Typical: 2.6 W |
|----------------|----------------|

## Betriebsbedingungen

|                              |                             |
|------------------------------|-----------------------------|
| Betriebstemperatur (Gehäuse) | -20 °C to 65 °C ((housing)) |
|------------------------------|-----------------------------|

## Mechanische Eigenschaften

|                                      |              |
|--------------------------------------|--------------|
| Gehäuseabmessungen (L x B x H in mm) | 26 × 29 × 29 |
|--------------------------------------|--------------|

|                               |                   |
|-------------------------------|-------------------|
| Objektivanschluss/-anschlüsse | C-Mount, CS-Mount |
|-------------------------------|-------------------|

|         |      |
|---------|------|
| Gewicht | 40 g |
|---------|------|

## Onboard-Speicher und FPGA

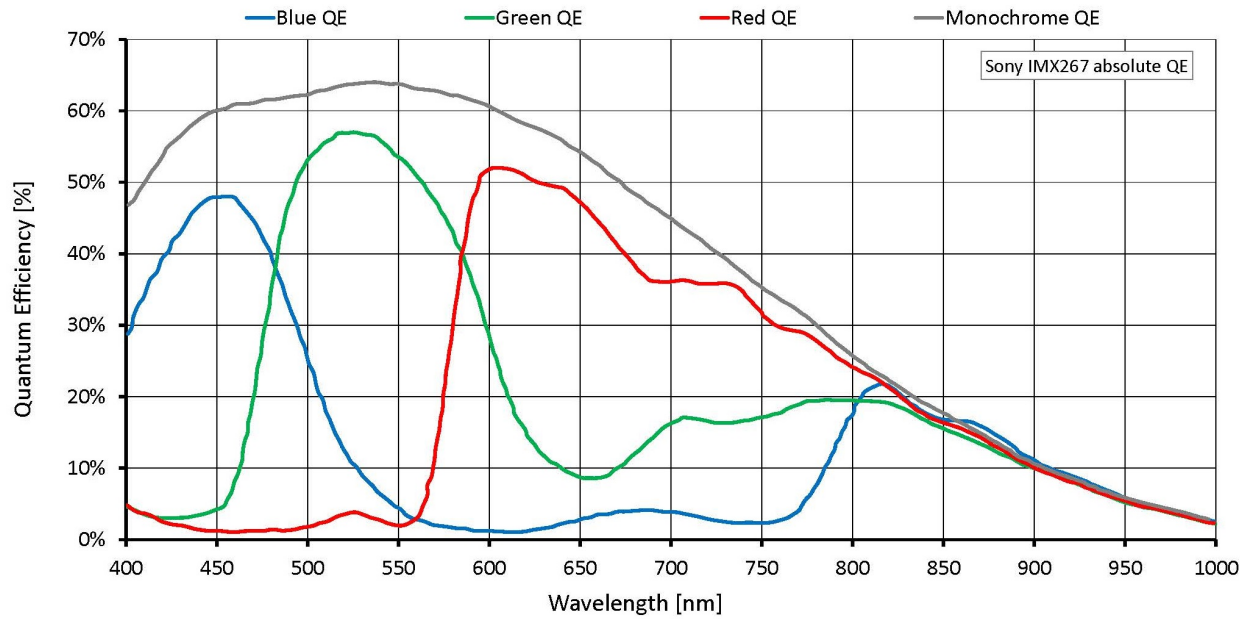
|                  |           |
|------------------|-----------|
| Bildpuffer (RAM) | 256 KByte |
|------------------|-----------|

|                                  |            |
|----------------------------------|------------|
| Nichtflüchtiger Speicher (Flash) | 1024 KByte |
|----------------------------------|------------|

## Schnittstellen

|                        |                           |
|------------------------|---------------------------|
| Digitale Schnittstelle | MIPI CSI-2, up to 4 lanes |
|------------------------|---------------------------|

## Quanteneffizienz



# Technische Zeichnung

