



allPIXA evo CXP

allPIXA evo 16k CXP Color Z

General

| | |
|----------------|-----------------------------|
| Model | allPIXA evo 16k CXP Color Z |
| Product code | CP000620-S-16K-33-L1-C1-Z |
| Product series | allPIXA evo CXP |
| Status | Available |

Sensor

| | |
|--------------------------------|--------------------|
| Sensor type | Line scan 2D |
| Chroma | Color |
| Spectrum | Visible |
| Spectral range | 1000 nm to 1000 nm |
| Resolution | 16,384 × 4 lines |
| Sensor architecture (material) | cmos |
| Pixel size | 5.00 µm × 5.00 µm |

Pixel formats

| | |
|-------------|--|
| Data format | 3 × 8/10/12 Bit color or 1 × 8/10/12 Bit mono or |
|-------------|--|

Timing and gain

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|----------------------------|--------|
| Max. line rate single-line | 73 kHz |
|----------------------------|--------|

I/Os and power

| | |
|-------------------|--------------------------------------|
| I/O connector | External I/O (15 pin HD D-Sub, fem.) |
| Power supply | 12 V – 24 V DC ± 20 %; 1 A @ 24 V |
| Power consumption | External: 24 W |

Mechanical properties

| | |
|-----------------------------------|-----------------|
| Body dimensions (L x W x H in mm) | 102 × 113 × 102 |
| IP class | IP50 |
| Lens mount(s) | M95 × 1 mm |
| Weight | 1100 g |

On-board memory and FPGA

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|-----------------------------|----------|
| Non-volatile memory (Flash) | 32 KByte |
|-----------------------------|----------|

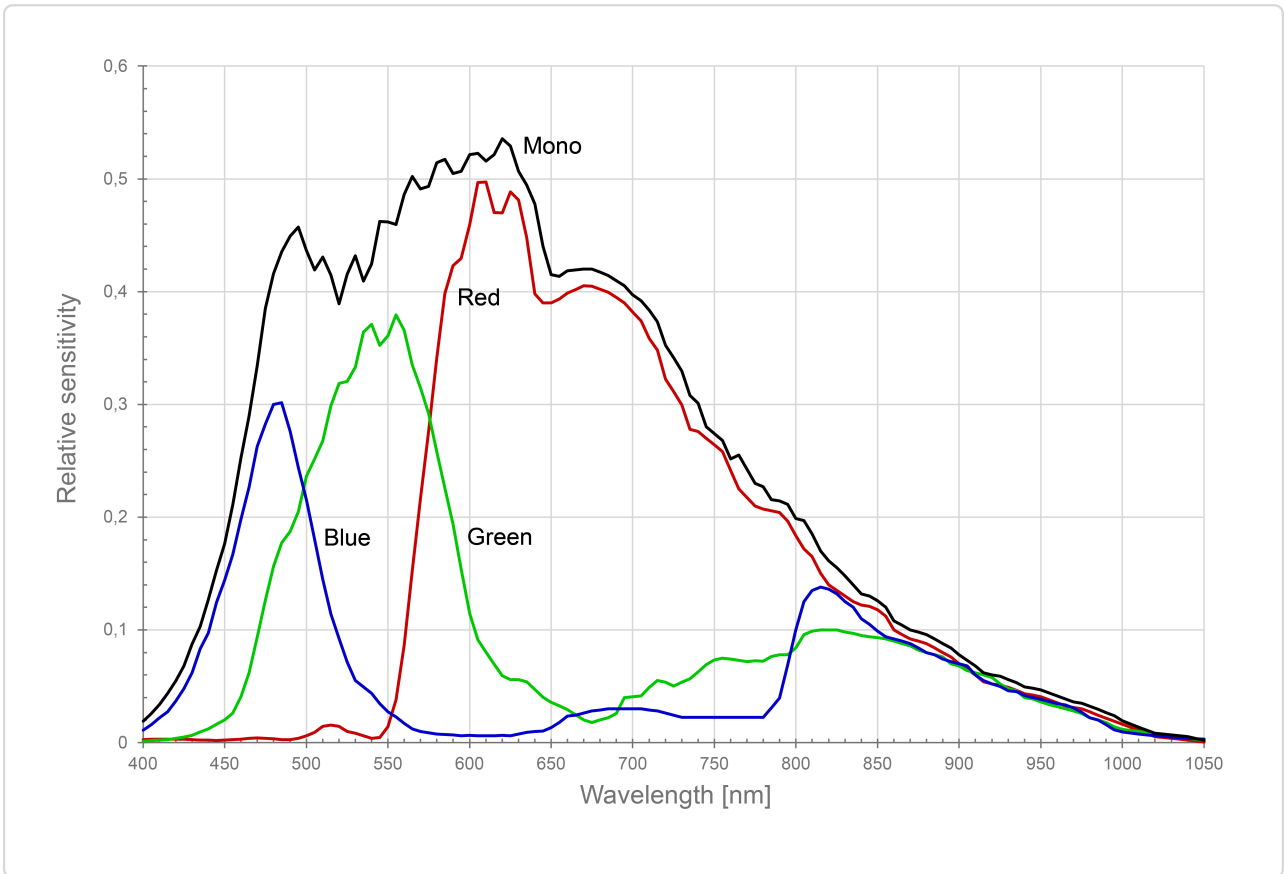
Interfaces

| | |
|---------------------|----------------------|
| Digital interface | 4 × cxp-12 micro-bnc |
| Interface connector | Micro-BNC |
| Vision standard | CoaXPress |

FW features - image control

| | |
|---------------------|--------------|
| Exposure modes | manual |
| Gain modes | auto, manual |
| White balance modes | auto, manual |

Quantum Efficiency



Technical Drawing

