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| **Press release** | **03.07.2018** |

New: Allied Vision's high-speed camera Bonito PRO

Allied Vision enters high bandwidth camera market with new camera family Bonito PRO, achieving 25 Gigabits per second with quad CXP-6 CoaXPress interface.

*Stadtroda, Germany – July 3, 2018* – The camera manufacturer Allied Vision expands its portfolio with an all-new camera family with CoaXPress interface for high-speed and high-bandwidth applications. At market introduction, the Bonito PRO family consist of two models: the 12.6 Megapixel camera Bonito PRO X-1250 and the 26.2 Megapixel Bonito PRO X-2620. Equipped with four CXP-6 high-speed connections the cameras are capable to transmit 25 Gigabits per second of image data.

**For challenging condition and applications**With a combination of high resolution, high framerates, and a comprehensive feature set including Sequencer Control and Multiple Region of Interest (Multi ROI), these cameras meet the requirements of demanding inspection applications that require high-definition imaging and high throughput. Typical application fields are Automated Optical Inspection, Flat Panel Display Inspection, Printing Inspection, 2D/3D Surface Inspection, and Aerial Surveillance. Moreover, the Bonito PRO is a rugged camera with a robust thermal housing that is designed to operate at extended temperature ranges and enables to select between multiple lens mount options like: F-mount (default), M42, M58, and EF-mount including focus and iris control.

**Two models with On Semiconductor PYTHON sensors**The 12.6 Megapixel camera Bonito PRO X-1250 incorporates the high quality ON Semiconductor PYTHON 12K CMOS sensor and offers a framerate of up to 142.6 frames per second (fps) at full resolution. The 26.2 Megapixel camera Bonito PRO X-2620 is equipped with the ON Semiconductor PYTHON 26K CMOS sensor. At full resolution the maximum frame rate is 79.7 fps. Both cameras focus on outstanding image quality at high frame rates and are offered as monochrome, color, and NIR models with extended near infrared sensitivity.

"We are very excited to enter the high-speed and high bandwidth camera market with the Bonito PRO camera family", says Carsten Traupe, Director Product Strategy at Allied Vision. "With Bonito PRO Allied Vision addresses the continuous demand for increasing camera performance in industrial applications. Today, the all-new Bonito PRO, combines our expertise in high-quality, high-resolution cameras known from our Prosilica GT series with the market leading state-of-the-art high bandwidth CoaXPress interface. The result is a high-performance camera series that designers of demanding, high-speed imaging applications should definitely have a close look at."

**Bonito PRO X-1250 and Bonito PRO X-2620 at a glance**

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| **Model** | **Bonito PRO X-1250** | **Bonito PRO X-2620** |
| **Interface** | CoaXPress (Quad CXP-6) | CoaXPress (Quad CXP-6) |
| **Interface connector** | 4x DIN 1.0/2.3 | 4x DIN 1.0/2.3 |
| **Sensor** | ON Semiconductor PYTHON 12K | ON Semiconductor PYTHON 26K |
| **Sensor Options** | Monochrome, color, or NIR | Monochrome, color, or NIR |
| **Sensor Type** | Global shutter CMOS | Global shutter CMOS |
| **Optical Format** | 4/3” | APS-H |
| **Pixel size** | 4.5 µm × 4.5 µm | 4.5 µm × 4.5 µm |
| **Aspect Ratio** | 4:3 | 1:1 |
| **Lens mount (default)** | F-mount | F-mount |
| **Resolution** | 4096 (H) × 3072 (V) | 5120 (H) × 5120 (V) |
| **Max. frame rate at full resolution** | 142.6 fps | 79.7 fps |
| **ADC** | 10-bit | 10-bit |
| **Operating temperature** | -20 °C to +70 °C housing (without condensation) | -20 °C to +70 °C housing (without condensation) |
| **Power consumption** | 15.7W at 24VDC or PoCXP | 15W at 24VDC or PoCXP |
| **Mass** | 500 g (with F-mount, no lens) | 500 g (with F-mount, no lens) |
| **Body dimensions (L × W × H in mm)** | 114.9 × 70 × 70 (including connectors) | 114.9 × 70 × 70 (including connectors) |

**Allied Vision company profile**For over 25 years, Allied Vision has been helping people to reach their goals focusing on what counts. Allied Vision supplies camera technology and image capture solutions for industrial machine and embedded vision applications. With a deep understanding of customers’ needs, Allied Vision finds individual solutions for every application, a practice which has made Allied Vision one of the leading camera manufacturers worldwide in the machine vision market.
The company has nine locations in Germany, Canada, the U.S., Singapore, China, France, and the UK, and is represented by a network of distribution partners in over 30 countries.

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