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| **Press Release** | **06.06.2017** |

Allied Vision introduces high-bandwidth cameras with CoaXPress interface

**Allied Vision expands its product portfolio by the Bonito PRO camera series enabling high-resolution imaging at high frame rates via its 4 x CXP-6 ports**

*Stadtroda, June 6, 2017* – Allied Vision introduces a new camera family and enters the high-speed camera market: The Bonito PRO CoaXPress camera is perfectly suited for high-bandwidth applications. It will be presented to the public for the first time at the Image Sensing Show in Yokohama, Japan, from June 7 to June 9, 2017 (at the booth of Allied Vision distribution partner AproLink Corporation, Booth no. 63).

**High Bandwidth CoaXPress cameras**

Allied Vision’s new high-bandwidth camera series is equipped with 4 x CXP-6 ports enabling bit rates of 25 Gbit/s over four coaxial cables with a maximum communication distance of 68 meters. The first two Bonito PRO series models support the latest high-resolution ON Semi PYTHON CMOS sensors with 26.2 Megapixel and 12.5 Megapixl resolutions. Customers can choose between monochrome and color sensors, as well as an NIR sensor option with enhanced near infrared sensitivity.

The combination of ON Semi PYTHON CMOS sensors with the Bonito PRO’s rugged, fan-less housing design, and its comprehensive feature set make these cameras an ideal choice for high-definition imaging applications demanding high throughput, robustness, and design-in flexibility.

**Advanced functionality and various lens mount options**

Bonito PRO cameras are available with F-mount lens adapter as the standard version. Optional EF-mount including focus and iris control, as well as M58 and M42 mount are available to accommodate a wide range of lenses for individual flexibility. The cameras can be operated at an extended ambient operating temperature range (-5°C to +50°C), offer Power over CoaXPress (PoCXP), and an advanced feature set with e.g. sequencer mode, multiple Region of Interest (ROI), Fixed Pattern Noise Correction (FPNC), Defect Pixel Correction (DPC), binning, decimation, look-up tables, gamma, and color correction.

The two new series models Bonito PRO X-2620 and Bonito PRO X-1250 will be available from Q3/2017.

**Bonito PRO at a glance (Preliminary data)**

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| **Model** | **Bonito PRO X-2620** | **Bonito PRO X-1250** |
| **Sensor** | ON Semi PYTHON 25K | ON Semi PYTHON 12K |
| **Sensor type** | CMOS, with global shutter |
| **Sensor size** | APS-H | 4/3“ |
| **Cell size** | 4.5 μm x 4.5 μm |
| **Resolution** | 5120 (H) × 5120 (V) | 4096 (H) × 3072 (V) |
| **Frame rate** | 80 fps | 160 fps |
| **Lens mounts** | F-, EF, M42, and M58 mount |
| **Size (LxWxH)** | 70 mm x 74 mm x 74 mm  |
| **Weight** | 500g |
| **Extended operating temperature range** | -5°C to +50°C (ambient) |

**Allied Vision company profile**For over 25 years, Allied Vision has been helping people to see the bigger picture. Allied Vision supplies camera technology and image capture solutions for industrial machine vision applications and embedded systems. 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 eight locations in Germany, Canada, the United States, Singapore, China, France, and the UK, and is represented by a network of distribution partners in over 30 countries. [www.alliedvision.com](http://www.alliedvision.com)

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