allPIXA evo

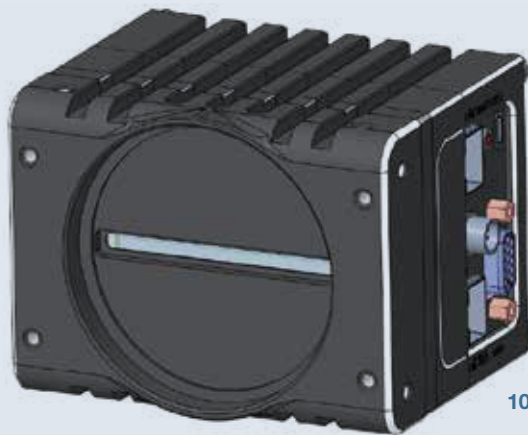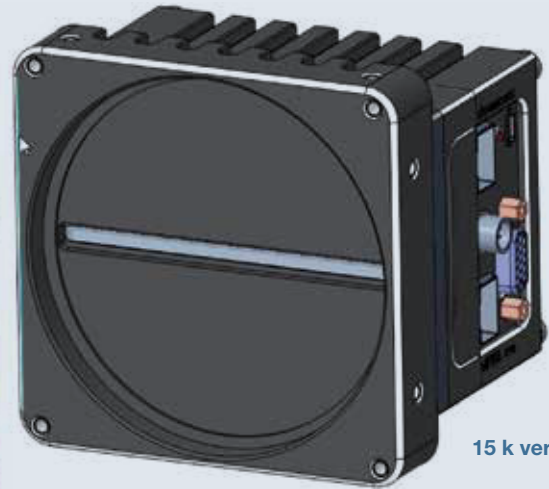## The allPIXA evo offers excellent image quality with ultra-high speed via 10 GigE

NEW!

15 k version

10 k version

The Dual 10 GigE interface allows for fast RGB color scanning with line rates up to 52 kHz for the 10K, and up to 35 kHz for the 15K sensor. Featured with line and frame trigger options, variable encoder input and color conversion possibilities the allPIXA evo is the best choice for all high speed and high resolution web and print inspection applications. For easy integration, the allPIXA evo comes with an intuitive graphical tool and an SDK for camera control and image capture for Windows and Linux.

Features

- Quad linear CMOS color line scan sensors for true RGB color and fast mono
- High speed: up to 71 kHz line frequency (ROI mode)
- Optical connectors for long length fiber cables up to 1 km (MMF/300m and SMF/1km)
- TDI model available for 3 x TDI (mono)

Camera overview

- 10K and 15K color line scan camera with standard Single/Dual 10 GigE interface
- True RGB color with excellent signal-to-noise ratio
- Frame and line trigger options including variable encoder input
- Keystone correction and color conversion matrices
- SDK and graphical tool with image viewer for camera control and image capture

Camera specifications:	allPIXA evo
Sensor	Quad linear CMOS line scan sensor (RGB and mono)
Number of pixels	10240 pixels x 4 lines 15360 pixels x 4 lines
Active pixel size	5.6 µm x 5.6 µm
Output	Single/Dual 10 GigE GigE Vision® 2.0 compliant
Max. line rate color	RGB: 10240 pixels x 3: up to 32 / 52 kHz (Single/Dual[1]) RGB: 15360 pixels x 3: up to 21 / 35 kHz (Single/Dual[1])
Max. line rate mono	Mono: 10240 pixels x 1: up to 71 / 71 kHz (Single/Dual[1]) Mono: 15360 pixels x 1: up to 67 / 71 kHz (Single/Dual[1])
Max. line rate in ROI mode	RGB and mono: up to 71 kHz[1]
Data format	3 x 8/10/12 Bit color or 1 x 8/10/12 Bit mono mode
TDI	3 x TDI mode (TDI camera model - mono)
Interfaces	2 x SFP+ (copper and fiber connectors) External I/O (DSUB) / USB2.0 (Micro USB)
Certifications	CE; FCC compliant; RoHS
Power supply	12 – 24V DC ± 20%
Trigger mode	Free run / External trigger Line trigger / Frame trigger
Operating Temperature	0° - 60°C (housing temperature)
Dimensions / Lens mount	10K: 102 x 76 x 82 mm (W x H x D) / M72 x 0,75 mm 15K: 102 x 101 x 82 mm (W x H x D) / M 95 x 1mm

[1]Dual 10 GigE with Link Aggregation