

allPIXA evo Color Line Scan Cameras

Excellent image quality with ultra-high speed via 10 GigE

GEN*i*CAM

GigE
VISION



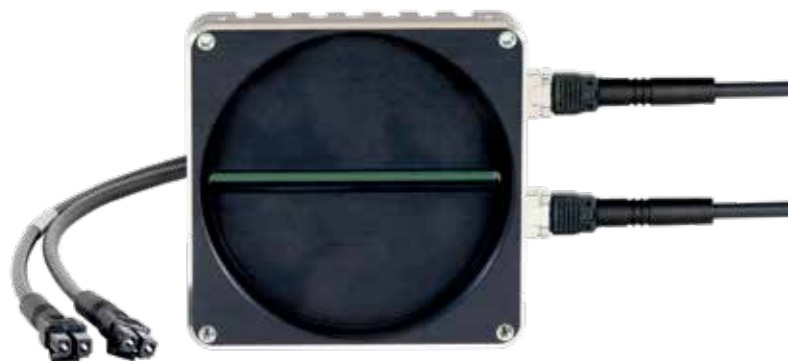
The Dual 10 GigE interface allows for fast RGB color scanning with line rates up to 48 kHz for the 10K, and up to 32kHz for the 15K sensor. Featured with line and frame trigger options, variable encoder input and color conversion possibilities the allPIXA evo is the best choice for all high speed and 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.

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
- ▶ High speed: up to 69 kHz line frequency (ROI mode)
- ▶ Optical connectors (SFP+) for long fibre cables up to 300 m
- ▶ SDK and graphical tool with image viewer for camera control and image capture Compact and robust design
- ▶ Economical system cost by using cost effective network interface cards for 10 GigE

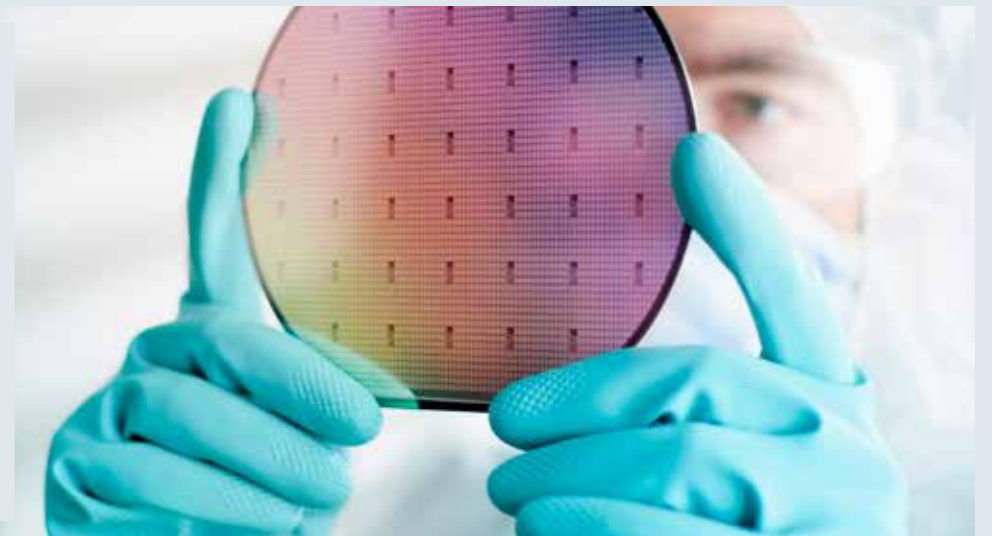
Features

- ▶ Quad-linear CMOS color line scan sensors for true RGB color and fast mono
- ▶ Mono camera with 4 x TDI
- ▶ Frame and line trigger options including variable encoder input
- ▶ Color correction matrix for optimized color image representation
- ▶ Continuous white balancing
- ▶ Precise multi-camera synchronization
- ▶ Multi-Flash function for multiple image acquisition in one pass

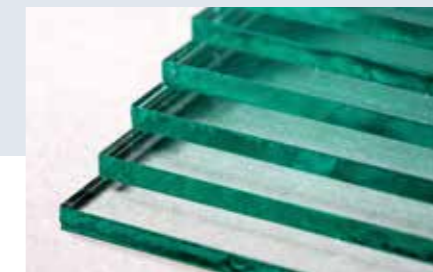


Applications

- ▶ Flat panel display
- ▶ Printed circuit board
- ▶ High-resolution document scanning
- ▶ Print
- ▶ Web
- ▶ Quality control
- ▶ Sorting processes
- ▶ High quality surface
- ▶ Food
- ▶ Semiconductor
- ▶ General machine vision



Print

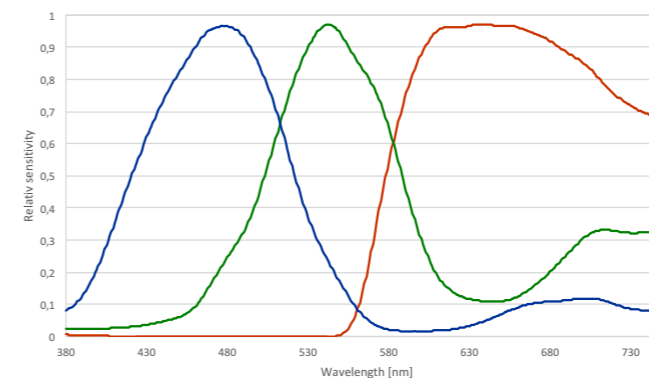


Glass



Logistics

Spectral sensitivity:



Specifications:

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 40 kHz (Single)* RGB: 10240 pixels x 3: up to 48 kHz (Dual)** RGB: 15360 pixels x 3: up to 26 kHz (Single)* RGB: 15360 pixels x 3: up to 32 kHz (Dual)**
Max. line rate mono	Mono: 10240 pixels x1: up to 69 kHz (Single and Dual)* Mono: 15360 pixels x1: up to 69 kHz (Single and Dual)*
Max. line rate in ROI mode	RGB and mono: up to 69 kHz ¹
Data format	3 x 8/10/12 Bit color or 1 x 8/10/12 Bit mono mode
TDI	up to 4 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

*See system requirements **Dual 10 GigE with Link Aggregation / see system requirements

Customized Cameras and Imaging Systems

Chromasens offers fully customized light, camera and scanner solutions. All systems are 100% adaptable to customer requirements.