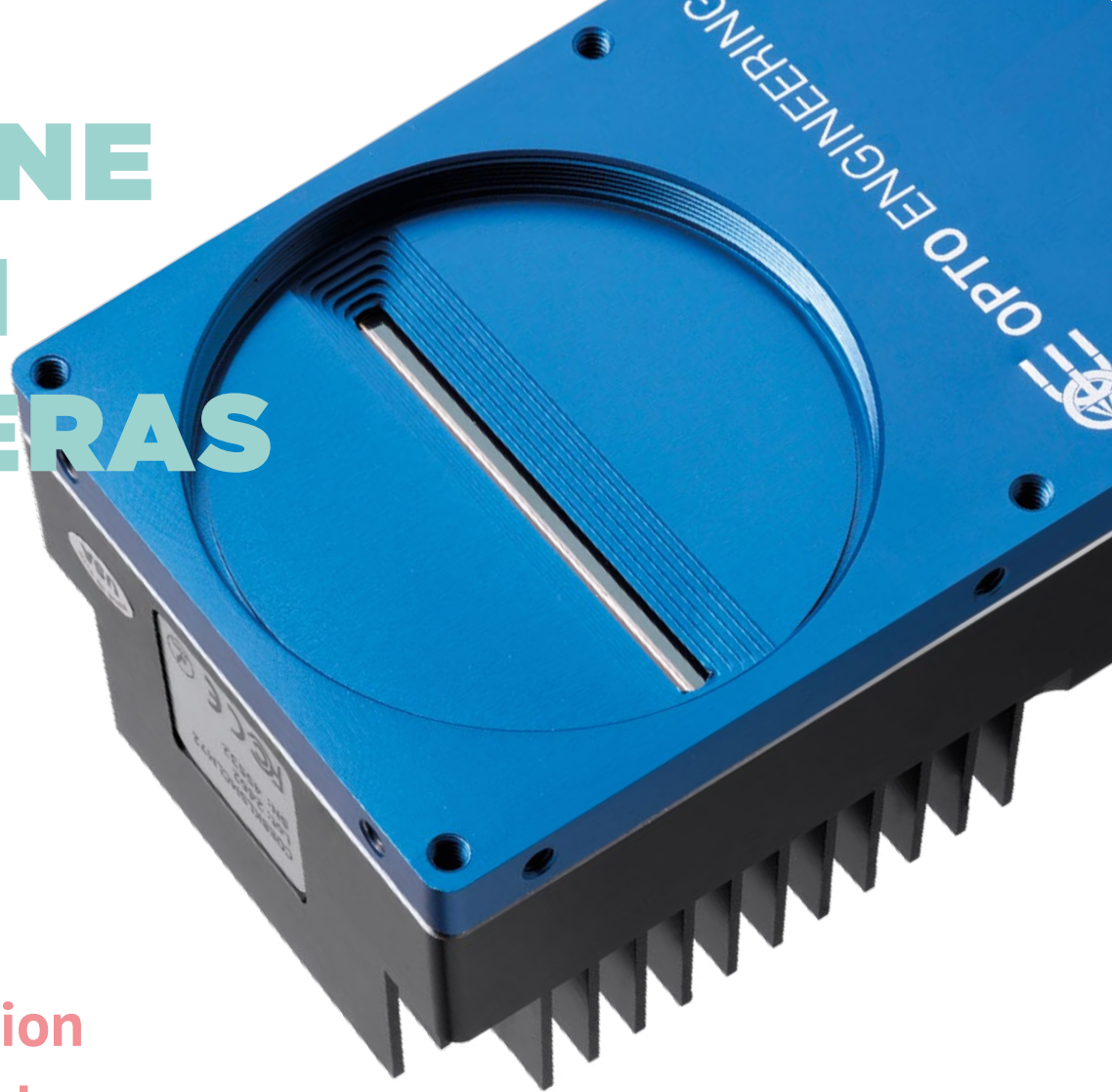


HR LINE SCAN CAMERAS



High resolution at high speed

COE High Resolution Line Scan Cameras are designed to provide high-resolution images, using the latest High Res sensors that offer both quality and speed. With many years of experience in the Machine Vision sector, Opto Engineering® offers a series of high resolution line scan cameras to answer your needs. COE HR LS cameras use monochrome sensors, which is ideally suited for document scanning, wide area scanning, printing and packaging applications and the inspection of large-area flat panel displays. Camera Link guarantees the fastest and most reliable output that makes these cameras suitable for high-speed systems. Combined with Opto Engineering® lenses and illuminators, we can assist in building a fast, reliable and cost-effective system.



Refer to specific datasheets available at www.opto-e.com for product compliancy with regulations, certifications and safety labels.

COE HR LS series

57.3 mm line scan CMOS sensors for high-speed scanning

NEW



KEY ADVANTAGES

High resolution at high speed

Ideally suited for the inspection of large-area flat panel displays and document scanning.

Advanced Power control

With advanced power control, the COE-8K and COE-16K can be used in large arrays with confidence.

Flat Field correction

Dark Signal Non-Uniformity (DSNU) Correction is used to correct dark field offset within the sensor. Photo Response Non-Uniformity (PRNU) is used to correct the difference in pixel response and the change in response due to optical or light source differences.

Camera Link output for reliable, fast performance

Provides maximum speed and resolution.

On-board user data storage

On-board user data storage provides customizations for advanced applications.

COE High Resolution Line Scan cameras are designed to provide high speed capture using one or two lines of pixels to construct an image as the camera or part is moved under the sensor. This allows large areas to be captured for difficult inspections, such as web material, paper products, wire, or flat panel displays, without the need for high speed area scan cameras.

COE HR LS cameras use the latest AMS/Awaiba Dragster sensors that offers unequalled sensitivity, bandwidth and signal-to-noise ratio. With advanced power control, the COE8K and COE16K can be used in large arrays with confidence. On-board user data storage provides customization for advanced applications.



COE HR LS cameras are available with monochrome sensors and are Camera Link only. This guarantees the fastest and most reliable output that makes this camera ideal for large area flat-panel inspection systems, printed material inspection, PCB inspection and much more.

The camera FPGA includes Photo Response Non-Uniformity (PRNU) which is used to correct the difference in pixel response and the change in response due to optical or light source differences. This correction guarantees the highest quality image.

With advanced power control, the COE HR LS cameras can be used in large arrays with confidence.

The M72 mount is ideal to mount our TC12K line scan lenses, and the MC12K macro lenses. Combined with Opto Engineering® lenses and illuminators, we can assist in building a fast, reliable and cost-effective system.

FULL RANGE OF COMPATIBLE ACCESSORIES

	COE-6P-FEMALE	p. 266
	COE-PS-UNIVERSAL	p. 264

Part number	Sensor specifications						Camera specifications					Compatibility	
	Image sensor format (mm)	Resolution (pixel)	Pixel size (µm)	Sensor name	Sensor type	Shutter type	Interface	Line rate (Hz)	CL connector	CL configuration	Mount	Optics	Lights
COE 8KLSMCL-G	57.3	8192 x 1	7	DR-8K-7	CMOS	Global linear	Camera Link	77k	2x MDR	full	M72x0.75 FD12	TC12K, MC12K	LTLNM
COE 16KLSMCL-G	57.3	16384 x 1	3.5	DR-16K-3.5	CMOS	Global linear	Camera Link	55k	4x MDR	full/dual full	M72x0.75 FD12		

Ordering information

- Available in Monochrome only
- Camera Link only.
- M72x0.75, FD12 mount.
- Specific product datasheet, user manual and recommended Capture Card are available at www.opto-e.com

For more information please contact:



BOCK OPTRONICS INC.
14 Steinway Blvd., Unit 7
Toronto, Ontario M9W 6M6

Tel: (416) 674-2804
sales@bockoptronics.ca

www.bockoptronics.ca www.opto-e.com