

## X-ray L-shape Line-Scan Camera Series

# XL8800 Series

The X-Scan Imaging XL8800 series of x-ray L-shape line-scan cameras offer high performance for x-ray scanning applications using panoramic x-ray sources. At the heart of a XL8800 camera are X-Scan Imaging's CMOS silicon imaging detector array chips providing wide dynamic range and solid-state reliability. A wide selection of scintillation material converts x-rays into visible light for detection by the imaging array and optimizes both sensitivity and resolution. The close proximity of the analog-to-digital converters (ADC) to the detector chips minimizes interference noise. A collection of hardware for interfacing to computers and software including drivers and an intuitive application programming interface (API) with sample code expedites development of x-ray scanning systems. **The L-shape camera is ideal for X-ray wheel inspection applications.**

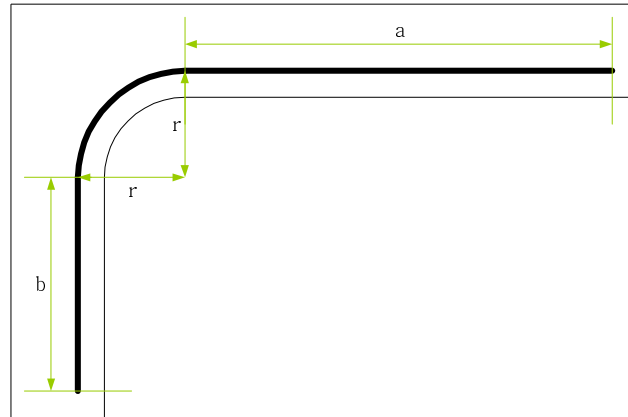
### Key Features

- L-shape optimized for wheel inspection
- Rounded corners for reduced corner distortions
- Integrated X-Scan proprietary detectors
  - Standard energy range of 40–160 KV
  - Wide selection of resolutions from 0.05 mm to 1.6 mm
  - Software selectable resolution
  - Low noise
  - Wide dynamic range
  - High x-ray sensitivity
  - High MTF
- 16-bit analog-to-digital conversion
- Scan rates over 2000 lines/second
- Variable scan speeds with position synchronization
- Software development kit: device drivers, libraries, standard API
- X-ray inspection software with standard features
- Compact & rugged housing with minimal cabling
- Modular design for expeditious customization of length and shape



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## Models



Model	Resolution (mm)	Dimensions (mm)			Total Detector Length (mm)	Minimum Line Period (ms)	Maximum Scan Velocity (m/s)
		a	b	r*			
XL8804-16-12-1x4	0.4	411	308	73	822	0.70	0.6
	0.8					0.35	1.8
XL8804-16-14-1x4	0.4	411	360	73	873	0.90	0.45
	0.8					0.45	1.4
XL8804-18-14-1x4	0.4	463	360	73	925	0.90	0.45
	0.8					0.45	1.4
XL8804-20-16-1x4	0.4	514	411	73	1028	0.90	0.45
	0.8					0.45	1.4
XL8804-28-18-1x4	0.4	719	463	73	1234	0.90	0.45
	0.8					0.45	1.4

Note: Other geometries available upon request.

\*Rounded corners approximated by one or two straight segments.

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