

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.**

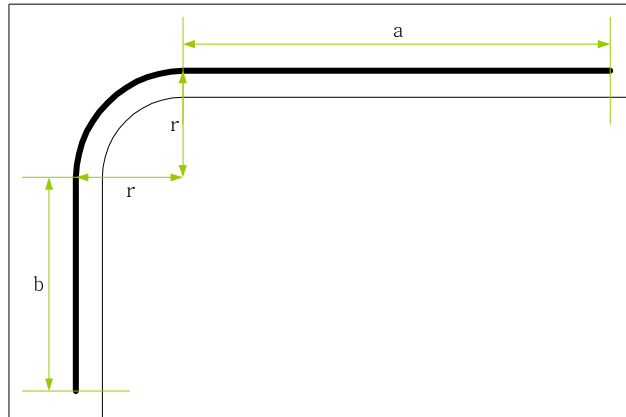
Key Features

- 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



X-ray L-shape Line-Scan Camera XL8800 Series

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.

Information furnished by X-Scan Imaging is believed to be accurate and reliable. However, no responsibility is assumed by X-Scan Imaging Corporation for its use. Users are responsible for their products and applications using X-Scan Imaging components. To minimize the risks associated with users' products and applications, users should provide adequate design and operating safeguards. No responsibility is assumed by X-Scan Imaging Corporation for any infringements of patents or other rights of third parties that may result from the use of the information. No license is granted by implication or otherwise under any patent or patent rights of X-Scan Imaging Corporation.

Camera Link® is a registered trademark of the Automated Imaging Association, Ann Arbor, Mich.

70 Bonaventura Dr., San Jose, CA 95134, U.S.A.

Tel: +1 408 432 9888

Fax: +1 408 432 9889

www.x-scanimaging.com