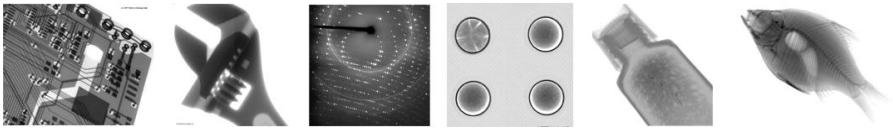
Rad-icon Imaging
a division of DALSA



Shad-o-Box™ X-Ray Cameras

The Shad-o-Box x-ray camera is a high-performance, high-resolution x-ray imaging device designed for real-time digital radiography applications. Each camera model combines a RadEye-series x-ray sensor module with appropriate readout electronics and a 12- to 14-bit digital interface for easy connection to a PC-based frame grabber. The high-speed digital connection allows real-time imaging at frame rates up to 20fps, while the state-of-the-art CMOS technology offers superb contrast, dynamic range and resolution.

Each Shad-o-Box camera is available in a low-dose, direct-coupled model that is optimized for the 10 to 50 kV energy range, as well as an EV model that offers improved signal-to-noise ratio and longer lifetime at energies up to 160 kV. Several scintillator options are available as well. Please refer to our Application Note AN07 to help you determine which version may be best for your application.

Camera	Pixels	Active Area	Resolution	Data Rate	Max. Frame Rate
Shad-o-Box 512	512x1024	24.6 by 49.2 mm	48µm	1.5 MHz	2.7 fps
Shad-o-Box 1024	1024x1024	49.3 by 49.2 mm	48µm	3.0 MHz	2.7 fps
Shad-o-Box 2048	2048x1024	98.6 by 49.2 mm	48µm	6.0 MHz	2.7 fps
Shad-o-Box 4K	2048x2000	98.6 by 96.1 mm	48µm	12.0 MHz	2.7 fps
Shad-o-Box HS	512x512 or 1024x512	49.3 by 49.2 mm or 98.6 by 49.2 mm	96µm	6.0 MHz/12.0 MHz	20 fps

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