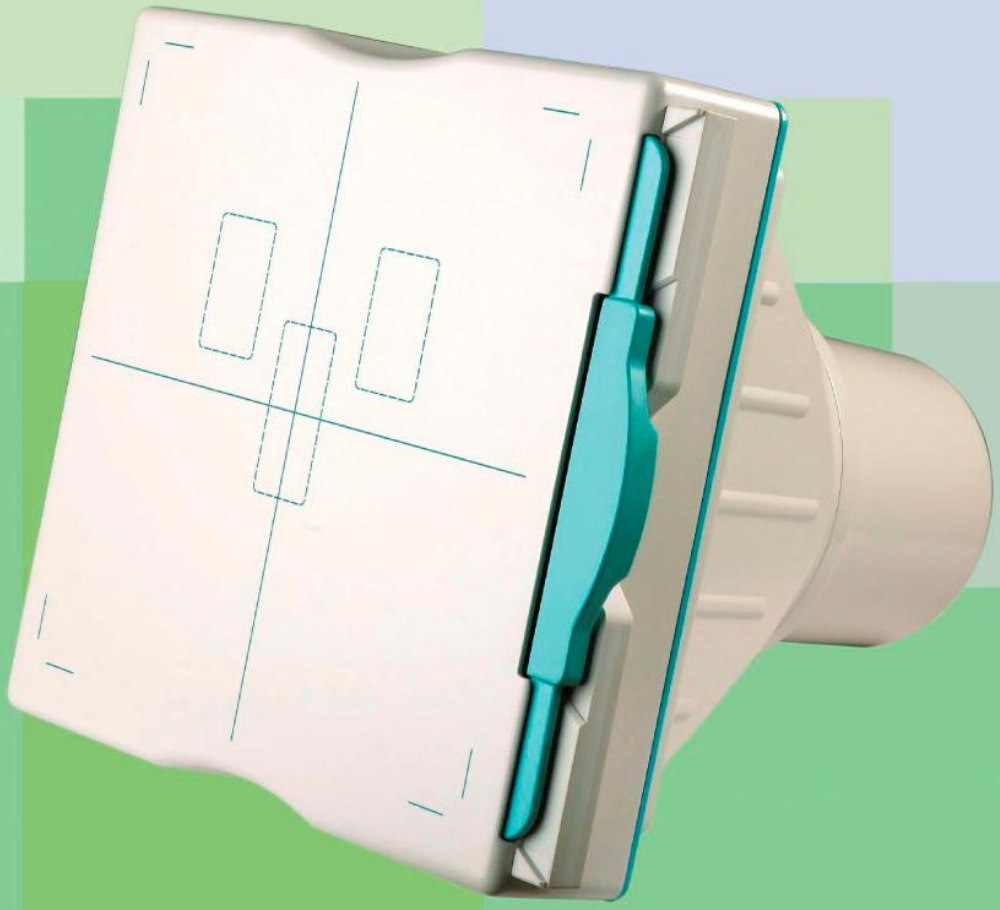
DIRA® KRC



CCD-BASED DIGITAL RADIOLOGY DETECTORS

- LOW TOTAL COST OF OWNERSHIP
- EXCELLENT CUSTOMIZATION AND INTEGRATION SERVICES FOR OEMs
- ADVANCED DESIGN WITH NO MIRROR AND NO ACTIVE COOLING SYSTEM

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DIRA® KRC Detectors are used in wide range of diagnostic systems: from simple wall stands to complex two-detectors systems

DIRA® Profile

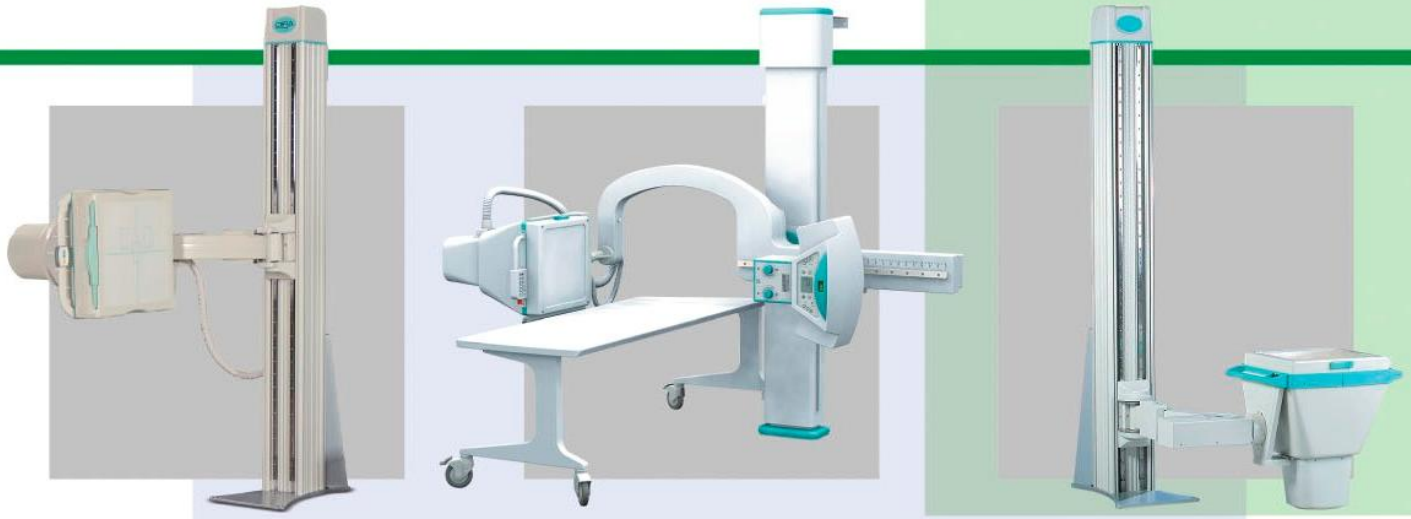
DIRA® is the registered trademark for a highly acclaimed family of Digital Radiology equipment.

The DIRA® product line is offered worldwide in multiple Diagnostic Imaging configurations such as high level Medical Radiographic and Dynamic Fluoroscopic imaging formats. DIRA® is also customized for specialized Veterinarian, Chiropractic and Industrial applications.

The OEM product line consists of leading edge CCD DR Detectors, CMOS Dynamic Flat Panel Detectors, mechanical components and assemblies that integrate together to create peerless X-Ray systems.

DIRA® product development and manufacturing is based on the following key principles:

- Close dialog and interaction with clients to identify current and prospective market demands that might be implemented into product development in no time
- Sustainable investment in R&D to create unique and exclusive technological solutions for excellent performance and efficiency of all DIRA® products
- Ultimate level of reliability and safety guaranteed by international quality management systems compliance, including ISO13485:2003, ISO9001:2008, EC92/43. CE 0120, IEC601, US FDA (pending), Chinese SFDA (pending)
- Supply of DIRA® products accompanied with comprehensive range of related services for increased customer benefit



DIRA® KRC Detectors could be easily integrated and fastened with various types of mechanical constructions

DIRA® KRC Detector Description

An X-Ray detector is the core of any Diagnostic Imaging system. The principle of DIRA® KRC detectors is Charge Coupled Device (CCD) technology combined with unique no mirror and no active cooling system construction.

This solution significantly increases reliability of detector together with quality of image. Minimum required maintenance to the customer results in low system's total cost of ownership.

To expand variety of applications DIRA® KRC Detectors can be used both in radiographic and fluoroscopic mode.

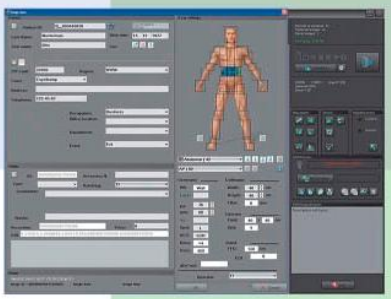
Product Benefits and Features

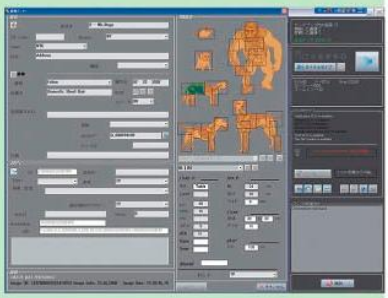
Benefits:

- Wide range of examinations possible
- High fault tolerance
- Increased uptime for system operation
- Improved DQE due to advanced design solutions
- Complimentary software package
- Integration flexibility for private labeling and custom software/hardware support
- Comprehensive range of technical and commercial services

Features:

- Fluoroscopy mode with up to 3 frames per second
- Unique high-aperture optical system
- Absence of mirror in detectors' construction to reduce light transmission losses
- Highly advanced firmware for dark current compensation makes it possible to build detectors without active cooling systems and moving part
- Automated variation of resolution and sensitivity throughout a wide latitude
- Easy and minimal maintenance by customer's engineers
- Advanced image processing algorithms
- Special CCD matrix shielding





User-friendly and powerful DIRA® Software has medical and veterinary versions with multi-languages support

Models Line and Options

	DIRA® KRC 5A	DIRA® KRC 9	DIRA® KRC 9C	DIRA® KRC 16	DIRA® KRC 16C	DIRA® KRC 9N	DIRA® KRC 9NC	DIRA® KRC 16N	DIRA® KRC 16NC
Active Pixels	2.5k x 2k	3k x 3k	3k x 3k	4k x 4k	4k x 4k	3k x 3k	3k x 3k	4k x 4k	4k x 4k
Active image size, mm	390 x 320	400 x 400				430 x 430			
Detector housing size, mm	525 x 480 x 698					586 x 550 x 688			
Spatial resolution, lp/mm	3.4	4.1	4.3	4.6	5.0	4.0	4.3	4.6	4.8
Type of scintillating screen	Gadox	Gadox	CsI	Gadox	CsI	Gadox	CsI	Gadox	CsI
Gray Scale	16 bit								
Fluoroscopy mode, Hz	3	2							

Optional AEC and anti-scatter grid might be added to any model.

Services

Comprehensive range of technical and commercial services available for customers:

- Full spectrum of product training courses (hardware, software, integration etc)
- Various types of customizations to meet customer's requirement, including specific mechanics, electronics and software development
- Consultancy and technical assistance in end-user radiology system design projects
- Multi-level technical support including on-site services

Software

Complimentary software package includes:

- DIRA® detector drivers
- Image processing software
- X-Ray equipment control
- DICOM libraries
- Comprehensive end-user software

Software highlights:

- Rich functionality, including PACS and DICOM features
- Advanced anatomically programmed radiography
- Compatibility and direct interfacing with major X-Ray equipment manufacturers
- Multi-language support
- Private label support (customization for client's brand and style)