

3DISC

FireCR Spark Medical Readers

- Crystal-clear image quality
- Scanning speeds to meet every need
- Compact & wall-mountable to fit anywhere



Compact & Flexible CR Solution

Introducing the FireCR Spark Medical Readers from 3DISC—with new features inside and out to meet a full range of imaging needs.

Superior Image Quality

The new FireCR Spark Medical product line features technology advances pioneered by 3DISC that result in the highest signal collection efficiency—providing the crystal-clear image quality you need for diagnostic imaging applications.

Innovative Design

The FireCR Spark Medical is exceptionally small and light. This compact size allows the readers to be placed on a counter or wall-mounted, perfect for even the most space-challenged imaging department or radiology practice. The FireCR Spark accommodates a range of cassette sizes to meet every imaging need, and cassettes feature advanced engineering that makes them remarkably strong and robust.

Unmatched Flexibility

The FireCR Spark Medical product line offers a variety of imaging speeds, providing solutions to meet any requirements and budget. And, when needs change, the readers can be affordably and easily upgraded in the field for higher throughput.

Only from 3DISC

No other company offers this unique combination of models, features, and options, providing unmatched value and flexibility for your practice or clinic, and ensuring that your technology investment is protected.



HIGHLIGHTS

- Crystal-clear image quality
- Fast – up to 125 plates per hour
- Field upgradeable to protect technology investments
- Ultra-light & compact
- Wall-mountable for space-challenged facilities
- New strong, robust cassettes
- No bending of imaging plate
- Accommodates three standard medical cassette sizes
- Automatic cassette & plate handling
- One step, integrated scanning & erasing
- Rugged, torsion stabilized optics
- Fanless system prevents dust contamination
- Quiet, stable & low-maintenance
- Optimal for telemedicine

Experience the Benefits of FireCR Spark Medical Readers

Proven Technology

3DISC's pioneering FireCR Spark technology delivers the image quality you need, along with increased stability and reduced maintenance requirements.

Optimized Imaging Parameters

With FireCR Spark Medical Readers, all imaging parameters are optimized, resulting in high-quality digital images that can be enhanced, enlarged, duplicated, and sent to any location in seconds with no loss of resolution.

Compact & Ultra-Light

FireCR Spark Medical Readers are extremely compact and lightweight. Only 21 kg and under 14 cm tall, they are ideal for locations where space is at a premium—and can be wall-mounted to fit in even the tightest imaging booths.

High Throughput

FireCR Spark Medical Readers are designed to provide the high throughput of an ultra-fast single-plate CR system. With scan speeds of up to 125 imaging plates per hour, FireCR Spark Medical Readers keep up with even the busiest clinical environments.

IP-Protecting Cassettes

FireCR Spark Medical Readers feature cassettes that have been engineered to stand up to the handling challenges in busy imaging environments. A specially designed metal plate “carries” the imaging plate through the system. The imaging plate is never bent or rolled and nothing touches it during the reading process. This reduces the chance of damage and prolongs the life of valuable imaging plates.

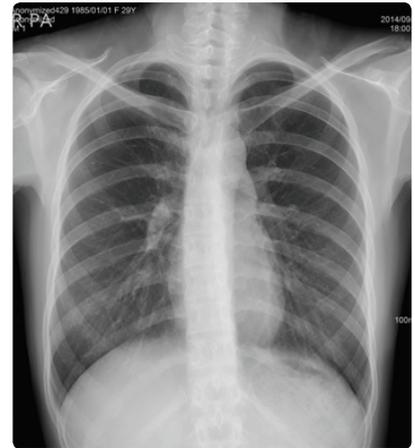


FireCR Spark Medical Reader Product Line

- FireCR Spark 70 Reader
- FireCR Spark 50 Reader
- FireCR Spark 30 Reader

Join the growing number of radiology departments, clinics, and specialty practices around the world that are turning to 3DISC FireCR readers for proven technology—along with the flexibility that helps them grow.

- Exceptional image quality
- Select from three models depending on your imaging speed requirements
- Upgrade as your imaging volume increases
- Compact, lightweight & wall-mountable
- Features QuantorMed⁺ Imaging Software—next generation workstation software with an easy-to-use interface for intuitive & fast operation



Vertical Wall Mount

- Provides a footprint of just over 14 cm
- Allows installation in clinics with limited space

Cassettes

FireCR Spark Medical Readers accommodate a full range of the most-used cassette sizes:

- 35 cm x 43 cm
- 24 cm x 30 cm
- 18 cm x 24 cm

Tailor a System to Meet Your Needs

- Are you a busy radiology department or practice needing fast imaging speed?
- A large but space-challenged clinic?
- A specialty podiatry or orthopedic practice?
- Or a smaller department with a tight budget but plans to grow?

A FireCR Spark Medical Reader from 3DISC with features and options tailored to YOUR needs is the answer.

3DISC

Why 3DISC?

3DISC is a pioneer in developing quality imaging products for the medical, dental, chiropractic, and veterinary markets. The company provides highly productive, compact devices and software solutions that deliver uncompromising image quality at an affordable price—along with the flexibility that helps you grow. The company's leading-edge products are supporting the imaging needs of a growing number of hospitals, clinics, specialty practices, and dental offices worldwide.



SPECIFICATIONS

Cassette sizes:	35cm x 43cm, 24cm x 30cm, 18cm x 24cm
System set-up options:	Tabletop • Vertical wall mount
Selectable Pixel Size:	High: 100µm • Standard: 200µm
Throughput:	Medical 70: Up to 70 plates/hour (35cm x 43cm) Medical 50: Up to 50 plates/hour (35cm x 43cm) Medical 30: Up to 30 plates/hour (35cm x 43cm)
Resolution:	Data Capture: 16-bits per pixel, 65,535 graytones
Dimensions (H x W x D):	5.4" x 17.9" x 31.6" (137 x 456x 803 mm)
Weight:	46.3 lbs (21 kg)
Software:	Image File Formats: DICOM 3.0, TIFF, BMP, JPEG • DICOM Send • Image Viewer • Window Level Multi Frequency Image Processing • Zoom, Cropping, Mark • User defined LUT • DICOM Print • CD/DVD Burning
Computer workstation recommended requirements:	Intel Core i5 500 Gigabytes Hard Disk, 4 Gigabyte RAM Windows 7 and 8 (32-bit & 64-bit) CD/DVD, 3 USB 2.0 ports Monitor: 1920x1080, 1440x900, DVI Interface
Power requirements:	110/220/240V, 60/50cs • UPS required
Regulatory approvals:	FDA 510(k) • CE (0120) • UL, cUL, FCC • Health Canada • PMDA Japan • Not approved for mammography
Safety Standards:	EN 60601-1 • EN 60825-1 • EN 60601-2
Operating conditions:	Temperature: 59-86 Fahrenheit (15-30 Celsius) • Temperature Gradient: 0.5 Deg. Celsius / Min. Humidity: 15%-95% RH • Magnetic Field: Max. 1260 Micro Tesla

Specific results may vary since operating conditions fluctuate.

We reserve the right to modify specifications without prior notice.

FireCR, FireCR⁺, FireCR Flash, FireCR Spark, FireCR Dental, FireID, FireCam HD, Heron IOS, 3DISC, 3DISC Imaging, Quantor, QuantorMed, QuantorMed⁺, QuantorVet, QuantorVet⁺, QuantorDent and QuantorDentVet are trademarks of 3D Imaging and Simulations Corp. (3DISC).

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