



# Experience the Benefits of FireCR Spark Veterinary Readers

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## Proven Technology

3DISC's pioneering FireCR Spark Veterinary technology delivers the image quality you need, along with increased stability and reliability. The system is easy to install, use, and maintain, and integrates seamlessly into your practice's information system.

## Optimized Imaging Parameters

With FireCR Spark Veterinary 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 Veterinary 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 most space-challenged practices. They also can be transported directly to the animal—ideal for the offsite imaging needs of large-animal practices.

## High Throughput

FireCR Spark Veterinary 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 Veterinary Readers keep up with even the busiest clinical environments.

## IP-Protecting Cassettes

FireCR Spark Veterinary Readers feature cassettes that have been engineered to stand up to the handling challenges in busy veterinary practices and clinics. 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.

## Unique “Dental Ready” Veterinary Cassette

A unique veterinary dental cassette now allows practices without a dedicated FireCR Dental Reader to scan dental imaging plates using the FireCR Spark Veterinary Reader. This “dental ready” capability provides a cost-effective dental imaging solution for your practice. As your dental imaging needs grow, simply add a FireCR Dental Reader for increased image quality.



# FireCR Spark Veterinary Reader Product Line

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

Join the growing number of practices relying on the highly flexible FireCR Spark Veterinary system, capable of efficiently handling the everyday needs of professionals in veterinary clinics of any size.

- Exceptional image quality
- Select from three models depending on your imaging speed requirements
- Upgrade as your imaging volume increases
- Compact, lightweight & wall-mountable for space-challenged practices
- Scans a full range of cassette sizes—including an 18 cm x 24 cm cassette that is perfect for equine examinations and an innovative veterinary dental cassette
- Features QuantorVet<sup>+</sup> 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 Veterinary 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



#### Veterinary Dental Cassette

- Cassette size 24cm x 30cm
- Available IP sizes: 0, 1, 2, 3, 4c and 4

## Tailor a System to Meet Your Needs

- Are you a high-volume veterinary practice or busy animal hospital needing fast imaging speed?
- A specialty large-animal practice with a need for mobile imaging capabilities?
- A practice looking for a cost-effective way to scan dental images?
- Or a smaller practice with a tight budget but plans to grow?

A FireCR Spark Veterinary 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 and veterinary practices, and dental offices worldwide.



### SPECIFICATIONS

<b>Cassette sizes:</b>	35cm x 43cm, 24cm x 30cm, 18cm x 24cm
<b>Dental Imaging Plate sizes:</b>	<b>0:</b> (22 x 31 mm), <b>1:</b> (24 x 40 mm), <b>2:</b> (31 x 41 mm), <b>3:</b> (27 x 54 mm), <b>4c:</b> (48 x 54 mm), <b>4:</b> (57 x 76 mm)
<b>System set-up options:</b>	Tabletop • Vertical wall mount
<b>Selectable Pixel Size:</b>	<b>High:</b> 100µm • <b>Standard:</b> 200µm
<b>Throughput:</b>	<b>Medical 70:</b> Up to 70 plates/hour (35cm x 43cm) <b>Medical 50:</b> Up to 50 plates/hour (35cm x 43cm) <b>Medical 30:</b> Up to 30 plates/hour (35cm x 43cm)
<b>Resolution:</b>	<b>Data Capture:</b> 16-bits per pixel, 65,535 graytones
<b>Dimensions (H x W x D):</b>	5.4" x 17.9" x 31.6" ( 137 x 456x 803 mm)
<b>Weight:</b>	46.3 lbs (21 kg)
<b>Software:</b>	<b>Image File Formats:</b> 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
<b>Computer workstation recommended requirements:</b>	Intel Core i5 500 Gigabytes Hard Disk, 4 Gigabyte RAM Windows 7 & 8 (32-bit & 64-bit) CD/DVD, 3 USB 2.0 ports Monitor: 1920x1080, 1440x900, DVI Interface
<b>Power requirements:</b>	110/220/240V, 60/50cs • UPS required
<b>Regulatory approvals:</b>	FDA 510(k) • CE (0120) • UL, cUL, FCC • Health Canada • PMDA Japan • Not approved for mammography
<b>Safety Standards:</b>	EN 60601-1 • EN 60825-1 • EN 60601-2
<b>Operating conditions:</b>	<b>Temperature:</b> 59-86 Fahrenheit (15-30 Celsius) • <b>Temperature Gradient:</b> 0.5 Deg. Celsius / Min. <b>Humidity:</b> 15%-95% RH • <b>Magnetic Field:</b> Max. 1260 Micro Tesla

Specific results may vary since operating conditions fluctuate.

We reserve the right to modify specifications without prior notice.

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

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3DISC Americas, Inc.  
22560 Glenn Drive, Suite 116  
Sterling, VA 20164, United States  
Tel: +1 800 570 0363  
Fax: +1 703 430 8320

3DISC Europe ApS  
Gydevang 39-41  
3450 Alleroed, Denmark  
Tel: +45 88 276 650  
Fax: +45 88 276 651

3D Imaging & Simulations Corp. (3DISC)  
Bldg. 1, 48, Yuseong-daero 1184 beon-gil,  
Yuseong-gu, Daejeon, Korea  
Tel: +82 42 931 2100  
Fax: +82 42 931 2299  
www.3DISC.com  
sales@3DISC.com