3DISC

FIRECR DENTAL READER

- ☑ Rapidly view high-quality digital images
- ☑ Easy-to-use system increases patient throughput
- ☑ Full-featured, affordable dental solution

Experience the Benefits of FireCR Digital Imaging

The full-featured FireCR Dental Reader from 3DISC rapidly and affordably delivers high-quality digital images for busy dental practices, optimizing chairside time with patients.

Compact & Affordable

The FireCR Dental Reader is compact and affordable, helping to increase patient throughput and improve the overall productivity of your practice. With its small footprint, the reader fits seamlessly into even the most space-challenged dental offices and exam rooms.

Elegant Design & Streamlined Operation

The FireCR Dental Reader combines an elegant design with a powerful yet easy-to-use system that gets the job done day in and day out.

FireCR Dental's automated, magnetized feeding tray offers "push and go" functionality, making it simple to operate for busy technicians. The reader is DICOM 3.0 compatible with existing systems and uses a full range of reusable bitewing and intraoral imaging plates that are easier and faster to position than intraoral digital sensors. Importantly, a true size 4c imaging plate is available, so technicians don't have to use software stitching to combine images from two size 3 plates—a cumbersome and inefficient process.

Unmatched Flexibility to Help Your Practice Grow

In this increasingly competitive environment, show patients that your practice offers the latest in digital imaging technology for improved patient results. Whether you're looking for a central reader that can distribute images throughout your facility, or an affordable exam-room based solution, the next-generation FireCR Dental Reader is the natural

☑ HIGHLIGHTS

- Optimized workflow for your practice
- Rapid, high-quality reading of reusable dental imaging plates
- Affordable & compact dental solution
- Easy-to-use LCD touch screen interface
- Easy-to-position bite-wing & intraoral imaging plates
- Compatible with all intraoral sizes
- Built-in erase function
- Software optimizes acquisition, processing & management
- Supports both Ethernet & USB connections
- Autocalibration ensures stability & consistency
- Market your practice's use of digital technology

choice for practices looking for a full-featured system that delivers high-quality digital images—along with the flexibility that helps them grow.

Unique LCD Color Touch Screen Panel

The FireCR Dental Reader features a unique color LCD touch-screen panel for seamless device operation. With no physical push buttons on the unit and an intuitive user interface, entering operator instructions has never been easier.

The LCD screen provides device activity status and includes a sleep mode. The screen visually guides users in the operation of the system, with little or no training needed. It also presents a preview of the image, allowing technicians to check the quality and determine if the image needs to be retaken. A settings menu allows the technicians to customize scanning resolution (high or standard), auto sleep timing, auto start, and network settings.

Built-in Erase Function

A built-in erase function eliminates the need to purchase an additional device to erase imaging plates prior to reuse, improving efficiency and reducing costs.

FireID RFID Reader

Improving Efficiency for Dental Practices

The unique FireID RFID reader complements 3DISC's FireCR Dental Reader—enhancing efficiency for dental offices.

The advanced technology of the FireID provides quick and accurate registration of data relevant to each individual patient. By preregistering the unique tag code of the imaging plate on the FireID, key data is automatically matched to the correct patient file, including:

- ☑ *The scanned image*
- ☑ *Imaging plate size*
- ☑ *The serial number of the imaging plate*

The small, compact FireID was designed with ease of use in mind. Simply register each imaging plate before use, pairing it up with a patient and the correct image will show up in the correct patient file on the correct PC – every time. A great asset for big and medium sized clinics.

For busy dental practices committed to digital imaging, it is critical that image information is always assigned to the correct patient file. The 3DISC FireID is the answer.

Software & Accessories

Easy-to-Use Imaging Software

QuantorDent Imaging Software optimizes image acquisition and management, and is based on 3DISC's pioneering Quantor Software technology. The easy-to-use software supports efficient workflow and requires little training. To ensure that scans are arranged in their precise locations, the operator simply assigns the relevant tooth to the dental chart in the software.

FireID RFID Reader

The small, compact FireID RFID Reader provides quick and accurate registration of data relevant to each individual patient -enhancing efficiency for dental offices.

Imaging Plates

A set of the most frequently used imaging plates is included with the unit. In addition, a full range of imaging plate sizes is available, including 0, 1, 2, 3, and 4c.

FIRECR OFFERS A RANGE OF BENEFITS OVER SENSORS

- ☑ Thin, flexible imaging plates with no cables increase patient comfort
- ☑ Imaging plates available in full range of sizes
- ☑ Imaging plates offer 100 percent active area
- ☑ Familiar workflow & accessories that are comparable to film, allowing seamless integration into practice
- ☑ Having a central or local CR unit is more efficient than purchasing one sensor and having to move it between exam rooms
- ☑ Sensors need to be thoroughly cleaned after each use, taking up valuable time and making the sensor unavailable during cleaning

3DISC

WHY 3DISC?

3DISC is a pioneer in developing quality imaging products for the medical, dental, chiropractic, podiatry, and veterinary markets. Its products are based on innovative concepts that provide highly productive, compact devices and software solutions that deliver uncompromising image quality at an affordable price. The company's leading-edge products are being used by a growing number of hospitals, clinics, chiropractors and specialty practices worldwide.

Supported IP Sizes	SIZE	STANDARD	HIGH
	0 (22 x 31 mm)	343 x 484 pixels	628 x 885 pixels
	1 (24 x 40 mm)	375 x 625 pixels	685 x 1143 pixels
	2 (31 x 41 mm)	484 x 640 pixels	886 x 1171 pixels
	3 (27 x 54 mm)	421 x 843 pixels	771 x 1542 pixels
	4c (48 x 54 mm)	750 x 843 pixels	1370 x 1542 pixels

Selectable Pixel Size	High: 35µm • Standard: 64µm
Sampling Pixel Pitch (35µm)	14.3 lp/mm
Readout time	4.1 ~ 7.2 sec
Resolution	Data Capture: 16-bits per pixel, 65,000 graytones
Eraser	Embedded
Dimensions (H x W x D)	10,4" (H)" x 4,7" (W) x 12.5" (D) / 265 (H) x 120 (W) x 318 (D) mm
Weight	12,1 lbs (5,5 kg)
System Configuration	Tabletop
Interface	USB 2.0 high speed (480 Mbps) / Ethernet (100 Mbps)
QuantorDent Imaging	Image File Formats: DICOM 3.0, TIFF, BMP, JPEG • DICOM Send • Embedded Viewer
Software	Window Level • Multi Frequency Image Processing • Zoom, Cropping, Mark
	User Defined LUT • Supporting Dental Chart and Dentition
Computer workstation	Intel Core Duo/Core 2 Processor • Min. 80 Gigabytes Hard Disk, 2 Gigabyte RAM • Windows 7 and 8 (32-bit & 64-bit)
minimum requirements	NetCard (100 MBit), CD/DVD, 2 USB 2.0 ports • Monitor: 1,280x900 pixels, DVI Interface
Power requirements	100 ~ 240V / 50 ~ 60Hz, 30W • UPS required
Regulatory approvals	FDA 510(k) • CE (0120) • UL, cUL, FCC • KFDA • Health Canada • PMDA Japan
Safety Standards	ISO13485 • ISO9001 • ISO14971 • 93/42/EEC • EN60601-1
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.

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