You can rely on Carestream’s CR and DR Systems for quality image-capture. Now you can have a single software solution to power them both. Carestream CR and DR systems provide unsurpassed diagnostic imaging and productivity. As demands on your time and budget continue to grow, you need innovative new ways to speed your workflow – and derive even greater efficiency from the Carestream CR and DRX systems in use throughout your facility.

COMMON PLATFORM.
THE SOLUTION IS HERE. A SOFTWARE PLATFORM DESIGNED FOR COMPATIBILITY.

DIRECTVIEW V5 CR and DR Software is compatible with a wide range of Carestream imaging systems. By eliminating the need to learn and use multiple programs, DIRECTVIEW V5 CR and DR Software boosts productivity to a new level. The standard platform is benefit-rich and highly robust... while a broad range of options lets you select the mix of add-on features to meet your specific needs.
DRX SYSTEMS + CR FLOOR-STANDING UNITS
There are many challenges that impede radiography workflow. For example, the time it takes to train technologists on multiple software platforms. The inevitable delays and disrupted workflow as technologists stop to re-acclimate each time they switch systems or learn new system interfaces that can slow exam times and contribute to the need for retakes.

Envision all imaging systems throughout your enterprise powered by a feature-rich single software program. This was the inspiration for DIRECTVIEW V5 Software. The result is CR/DR harmonization technology – ensuring that software features and functionality are consistent across all compatible systems. This gives your productivity level a major boost, enabling you to:

- Train technologists on one platform and know they’re ready to operate a variety of systems
- Benefit from greater staff versatility – technologists can switch from one system to another quickly and efficiently
- Depend on an intuitive, easy-to-use touch-screen interface to decrease exam times and increase patient throughput
- Minimize repeat exams, through more consistent and uniform exam protocols
- Resolve performance issues immediately and minimize downtime with a robust on-screen “help” feature and extensive remote monitoring tools
- Custom configure the system to fit your workflow – and to your users’ preferences

**Focus on Quality**

We understand that productivity gains must never compromise your high standards for patient care. Our software includes advanced image-quality control capabilities to ensure the overall excellence of the radiographic images you capture, which support accurate diagnoses and positive patient outcomes. DIRECTVIEW V5 software supports the IEC standard exposure index enabling consistent exposures across your department and helping physicists meet regulatory responsibilities. EVP Plus image processing software transforms the captured image into outstanding quality with a high degree of automation and an intuitive user interface.

**Security and Convenience**

A reality for today’s healthcare facilities is the ever-present threat of a security breach. DIRECTVIEW V5 Software incorporates protection features to shield you from unauthorized access, theft of information, violation of confidential patient records, and the potential for serious financial consequences.

We’ve also paid attention to the little things. For your convenience, this new software supports the use of jump drives and CD/DVD – for fast and easy image export and transport.

The simplified user interface reduces the time required to complete a procedure. And the robust on-screen help feature allows for immediate problem resolution and minimizes support time.

Multi-format printing capability offers the flexibility to print multiple images on one film, including custom page layouts, saving time and money.
SUPPORT FOR SPECIALTY APPLICATIONS

DIRECTVIEW V5 CR and DR Software options can maximize quality and productivity in these specialty imaging applications:

**Mammography**
Carestream’s proprietary algorithms increase software performance for mammography-quality images. Our Total Quality Tool for Mammography boosts the versatility of CR systems, for high performance specific to mammography or mixed-use environments.

**Pediatrics**
Monitoring exposure is particularly critical in pediatric imaging. Depend on reliable measurement and tracking with the IEC standard Exposure Index feature to ensure you are within range. Gain performance versatility as well, with imaging options for seven different pediatric body types linked to exposure techniques.

**Long Length Imaging**
The software includes features specifically designed for orthopaedics. Image stitching is performed automatically, providing seamless images in less time. For even greater control, use the manual stitch editor when manual fine adjustments are desired.
OPTIONAL FEATURES COMPLETE
THE PERFORMANCE PICTURE

Your healthcare facility is unique – with its own particular set of imaging needs. So what combination of capabilities are you looking for? Remote data entry? Interconnectivity between multiple CR and DR systems? Support for specialty applications?

DIRECTVIEW V5 Software offers these options and many more. You select from a broad menu of capabilities – giving you a custom mix of the tools you require, with no need to pay for those you don’t. So consider this diversity of options*, then make DIRECTVIEW V5 Software exactly what you need it to be.

*Consult with your sales representative for the standard and optional features for specific Carestream products.
Workflow Enhancement Options

Carestream products support DICOM interoperation and comply to IHE standards to address specific clinical needs and support optimal patient care.

Remote Operations Panel

Save time and steps in your workflow. With this wall-mounted panel, technologists can perform most of the functions of the main CR system without walking to the machine itself.

IHE Scheduled Workflow

DIRECTVIEW V5 CR and DR Software saves time and boosts productivity by automatically notifying your HIS/RIS of exam status.

DICOM Modality Worklist

Facilitates automatic transfer of patient and procedure data from your HIS/RIS system, eliminating manual data entry, and increasing technologist productivity.

Multi-Modality Acquisition

Allows operation of two CR systems or one CR and one DR system from a single console. You can ID cassettes, review patient information, accept/reject images from a single console – saving space and investment.

Remote Patient Data Entry

Patients are your first priority. Let radiographers dedicate more time to them, by making data entry an office-based PC task. Reduces overall radiographer workload, too.

Quality Enhancement Options

Administrative Analysis and Reporting Option

Improve your department’s overall performance by taking analysis and reporting to a new level. This easy to use software provides a single, consolidated source for viewing all performance metrics from your CR and DR systems in a format that works for you. With this “digital dashboard” you are able to analyze results and develop improvement plans.

Total Quality Tool

Keep work flowing. Now, the same interface can be used for patient exams and objective quality-control image tests on your CR and DR systems. With the Total Quality Tool package – software, phantom and carrying case – you can perform these tests when it’s convenient for you – without interrupting workflow or incurring the cost of third-party testing.

Image Processing Options

EVP Plus

EVP Plus Software delivers state-of-the-art image processing with a high degree of automation while offering maximum flexibility and ease of use. Outstanding image quality is achieved based on proprietary algorithms.

IHE Dose Reporting

Collects and distributes comprehensive dose information to PACs – including DAP values, techniques and exposure indices.

Grid Detection and Suppression

Get a clearer view. This option provides improved image quality through automatic detection and suppression of gridline artifacts.

Administrative Analysis

Tube and Line Visualization

Quality Enhancement Options

Tube and Line Visualization

Be sure with a single exposure. With this feature, a companion image is created from the original exposure with optimized processing for clearer, easier visualization of PICC lines and tubes. It increases confidence that tubes and lines are placed correctly – and remain in position.

Pneumothorax Visualization

Save time with software that creates a companion image from the original exposure that is optimized to accentuate the appearance of free air in the chest cavity.

Bone Suppression*

This tool is designed to create a companion image that suppresses the appearance of bone and enhances the visualization of soft tissue – to support clinical confidence in pathology assessments. This option will require no additional exposure for the patient.

Low-Exposure Optimization

Low-exposure optimization minimizes quantum noise interference in low-exposure imaging areas to capture high-quality diagnostic details.

Black Surround

Focus in on the issue. This black surround option masks the white collimated area to eliminate foreground flare. It defines your area of interest automatically, and allows manual selection of complex anatomical structures for rapid, accurate collimation verification.

*Pending 510(k) Clearance
SATISFACTION ACROSS THE ENTERPRISE.

DIRECTVIEW V5 CR and DR Software offers benefits for stakeholders throughout your facility:

- Radiologists get high quality diagnostic images in less time
- Patients receive faster diagnosis, treatment, and an enhanced level of care
- Technologists enjoy improved ease of use and convenient operation
- IT departments receive DICOM-compliant, reliable and secure software performance
- Administrators and department heads see greater productivity, patient satisfaction and increased ROI

Products Specifications
Current DIRECTVIEW CR Systems:
- Max, Classic and Elite CR

Current DRX Systems:
- DRX-1 System, DRX-Mobile Retrofit Kit,

Remote Operations Panel:
- 19" ROP (1280 x 1024 pixels)

Computer hardware and monitors vary by equipment model. Both multi-touch monitors and 3MP monitors are available.