

Carestream

CARESTREAM DIRECTVIEW
Elite CR System



Improve workflow, productivity, and patient throughput. The CARESTREAM DIRECTVIEW Elite CR System is small, easy to install and easy to use. This powerful distributed CR system is capable of producing high quality images with a footprint that is compact enough to be placed in an x-ray room or an x-ray control console room. The Elite CR System uses industry standard cassette sizes including 15 x 30 cm for dental imaging, as well as 35 x 84 cm for long-length imaging for scoliosis and extremity imaging.

COMPACT, SINGLE CASSETTE CR SYSTEMS DESIGNED TO IMPROVE WORKFLOW, PRODUCTIVITY, AND PATIENT THROUGHPUT.

Ideal for hospitals, diagnostic imaging centers, multi-specialty clinics, and private practices, the Elite CR System is a unique product in Carestream Health's CR portfolio. It is designed for distributed and central CR applications where image quality, rapid image availability, lower costs, and high departmental productivity are critical success factors.

Carestream Health's entire CR product suite enables healthcare providers to deliver improved patient care. The Elite CR System is another example of our commitment to developing solutions that target the needs of health care professionals and their patients.



Improved productivity... sensitive to your budget

With less capital investment and lower operating costs, the Elite CR System helps imaging facilities meet budget requirements. It is designed for medium to high imaging volumes in:

- Hospitals
- Diagnostic imaging centers or clinics
- Specialty clinics/private practices (e.g. orthopaedic clinics)
- Large general private practices

Robust software offers power with performance

CARESTREAM CR Systems – including the Elite CR System – provide multiple capabilities designed to boost productivity, performance and ROI for healthcare providers of all sizes.

Improved workflow and productivity

“Ease of use” features increase patient throughput, increasing hospital and clinic productivity.

Enhanced customization

The Elite CR System can be easily configured to the needs of the facility and the image preferences of each user.

Improved interconnectivity

Helps improve compatibility across multiple “up” and “downstream” networked devices.

Reduced service costs

Improved service diagnostics result in more system uptime and fewer on-site repair calls.

Elite CR System

Elite CR System Features

- Reliable, distributed or centralized CR system
- Intuitive and simple to use
- Robust GUI, image processing, and software options/tools
- Easy installation
- Compact footprint for placement in an x-ray room or x-ray control console room
- Accommodates general radiographic exams as well as 35 x 84 cm long-length imaging, 15 x 30 dental imaging
- Excellent image quality with EVP Plus Image Processing Software
- Delivers high-quality images
- Uses all DIRECTVIEW cassettes with rigid screens including PQ screens designed to reduce noise
- Cassette cycle times of up to 90 plates per hour for 35 x 43 cm cassettes to accommodate high-volume workflows
- Available with choice of three Workflow and Image Viewing (WAIV) console configurations: 17-inch flat panel monitor, 19-inch flat panel touch screen monitor with or without additional software package
- Monitor and/or keyboard can be placed on a floor stand console that also stores cassettes, or a space-saving wall mount
- Low total cost of ownership
- Mammography imaging option available
- DICOM and IHE functionality and connectivity



EVP Plus Software takes image and diagnostic quality to new levels. Several time-saving features reduce capture set-up times and boost overall quality of image output – resulting in greater operational efficiency and consistently high-quality images that help improve patient diagnosis.



- Easy setup results in greater throughput.
- Image Preference Setup Tool simplifies customization of image processing preferences – for different applications or different end users. When preferences are pre-selected, the system can be installed with the customer's preferred views for all images.
- Images can be processed without identification of the body part/projection.
- Qualified users can change preference editors and default appearances.
- Easier, more intuitive adjustments independently control image parameters such as contrast, brightness, noise level and latitude.
- Improved black surround feature sharpens image resolution automatically.

Accessories and Options

Carestream Health offers a variety of accessories and options for the Elite CR System that help maximize the functionality, convenience and performance of the system. These service and product enhancements are also available for Carestream Health's other DIRECTVIEW CR Systems.

Remote Operations Panel

Extend the functionality and reach of your DIRECTVIEW Elite CR System with this wall-mounted touch-screen panel that allows users to perform most system functions away from the main unit. Network up to 10 remote operations panels to a single Elite CR System. Or network one remote panel to as many as eight floor standing DIRECTVIEW CR systems.

Capture Link System

Link up to five floor standing DIRECTVIEW CR Systems and 20 remote operations panels to improve productivity and streamline workflow in high-volume areas. Share cassette identification, scanning and image review functions on linked systems.

Total Quality Tool

Perform measurements and objective tests with the same interface used for examinations. Test at your convenience – without the disruption, scheduling, or cost of third-party testing.

CR Long-Length Imaging System

Capture long-bone computed radiology images – full leg and full spine – with this easy-to-use accessory. Highly reliable, fully automatic stitching software delivers images up to 17 inches wide by 51 inches long (43 x 129 cm), with few, if any, visible seams. A portable cassette system for upright and supine procedures produces images up to 14 x 33 inches (35 x 84 cm).

Mammography Feature for CR

Bring the image quality and convenience of the Elite CR System to digital mammography. This feature, coupled with DIRECTVIEW CR Mammography Cassettes and EHR Screens, delivers mammography-quality images while retaining all CR system capabilities and features for general radiography examinations.



CARESTREAM RIS, PACS, Clinical Data Archiving

- Provide an integrated, enterprise-wide radiology suite that automates all the elements of the diagnostic exam process.
- Together, CARESTREAM RIS, PACS, and Clinical Data Archiving enable highly efficient diagnostic reporting and clinical review.
- Facilitate easy distribution, storage and retrieval of a patient's entire radiology record – all through a synchronized desktop.
- Enhance patient services, boost productivity, and reduce storage and network infrastructure costs.

Choice of printing options

- Print CR images on film with a choice of DRYVIEW Laser Imagers. They can be configured to receive CR images automatically.
- Use a DRYVIEW 6800 Laser Imager and choose from five film sizes including up to three online, all at 650 dpi resolution.
- Print true-size images using any DRYVIEW Laser Imager.
- Gain formatting flexibility with multiple images on a single sheet of film.

Expert service and support for your network

- Maximize your network's performance, reliability and throughput with Carestream Health network services.
- Count on Carestream Health as your single point of contact for expert network consulting, assessment, design, implementation, support and monitoring.

Carestream Health Service and Support – a team of experts to optimize system performance

Count on dependable, prompt service and support from Carestream Health for your Elite CR System.

- Carestream Health's team of over 1,700 service professionals worldwide is dedicated to keeping your system operating at peak performance.
- Carestream Health offers a variety of professional services ranging from site planning and project management to DICOM and integration services.
- Carestream Health's design and manufacturing processes ensure maximum system performance and reliability.
- Secure remote diagnostic services promptly address and resolve system issues, optimizing uptime.

PRODUCT SPECIFICATIONS

Dimensions of reader

- Overall height = 40.5 in. (102.87 cm)
- Width = 19.0 in. (48.26 cm)
- Depth = 22.7 in. (57.66 cm)
- Weight = 300 lbs (136 kg)

Dimensions of floor stand

- Height = 43.9 in. (111.51 cm)
- Width = 30.7 in. (77.98 cm)
- Depth = 22 in. (55.88 cm)
- Weight = 75 lbs (34 kg) w/o keyboard holder*
90 lbs (41 kg) w/ keyboard holder*

Cassette sizes/Plates Per Hour**

- 18 cm x 24 cm / 100
- 24 cm x 30 cm / 76
- 14 in. x 14 in. (35 cm x 35 cm) / 102
- 14 in. x 17 in. (35 cm x 43 cm) / 90
- 15 cm x 30 cm (Dental) / 122
- 35 cm x 84 cm (Long Length) / 88

*Does not include PC, monitor, keyboard, or barcode reader

**High speed scan mode

Time to first image

- 33 seconds (35 cm x 43 cm, high-speed scan mode)

Grayscale resolution

- Acquisition: 16 bits per pixel
- Image Output: 12 bits per pixel

Monitors

- 17 in. flat panel monitor, 1280 x 1024
- 19 in. flat panel touch screen monitor, 1280 x 1024

Power

- 100/120V AC 50/60Hz 10A
- 200/230V AC 50/60Hz 5A

Regulatory

- FDA
- CE mark
- cTUVus mark
- TUV T mark

www.carestream.com

More Information

To learn more about the CARESTREAM DIRECTVIEW Elite CR System and Carestream Health's other products for enhanced CR performance, contact your Carestream Health representative.

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