

# KODAK DIRECTVIEW CR 950 SYSTEM

Fast, central  
CR processing  
with decentralized  
workflow

HEALTH IMAGING  
A BETTER VIEW OF LIFE.



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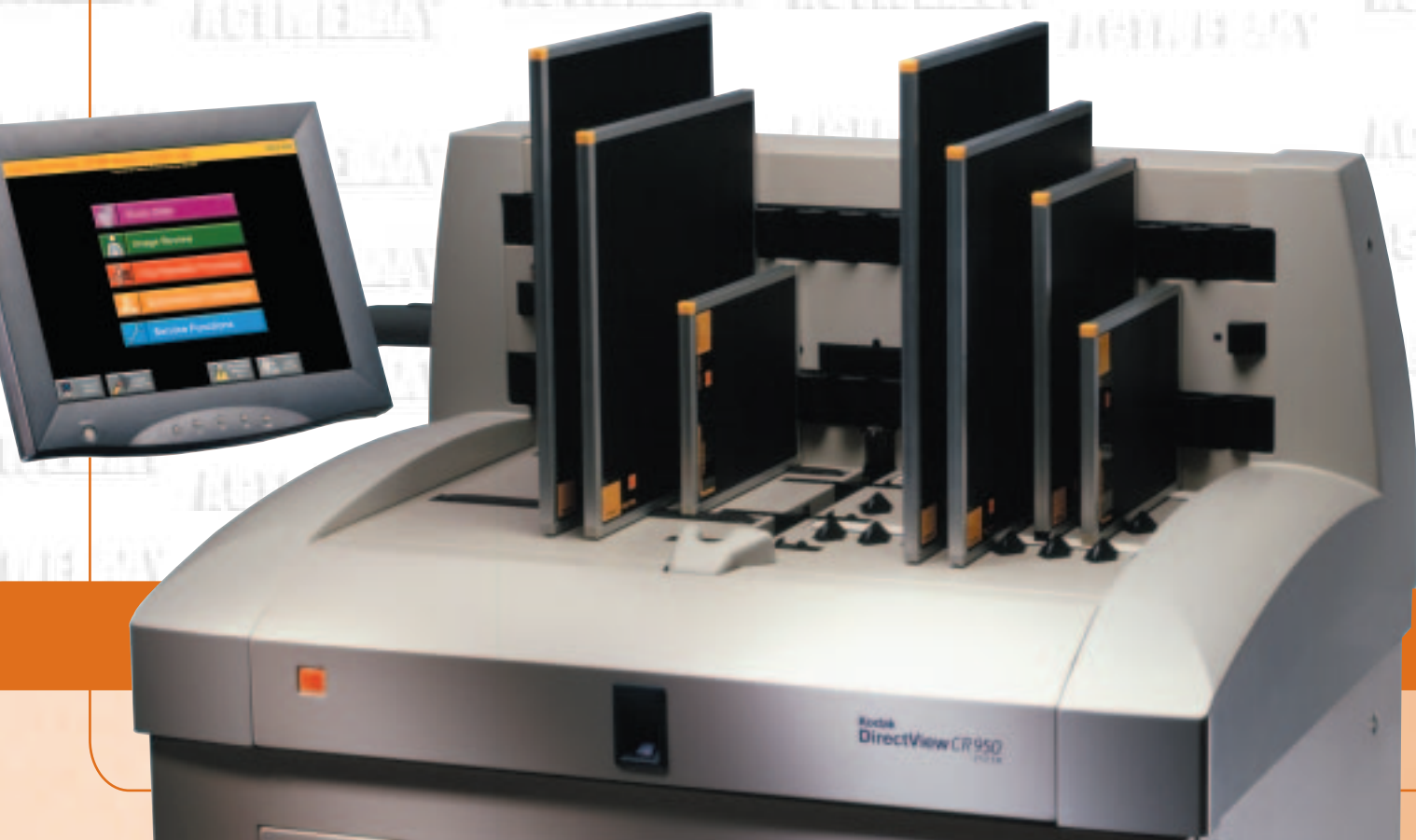
**FAST, CENTRAL CR PROCESSING WITH**

Maximize the productivity of centralized computed radiography with the fast, reliable KODAK DIRECTVIEW CR 950 System. This advanced multiple-cassette system provides centralized cassette processing with decentralized control and workflow.

Perform most aspects of a patient study from the examination room with a wall-mounted KODAK DIRECTVIEW Remote Operations Panel. The radiographer leaves the patient's side only to load exposed cassettes in the reader. An

image is available for image review in the examination room in as little as 30 seconds, depending on cassette size and network performance.

The CR 950 System demonstrates Kodak's continuing commitment to the family of DIRECTVIEW CR Systems. Whether you are expanding digital imaging capabilities or just beginning your digital transition, there is a versatile, scalable DIRECTVIEW CR System to meet your needs. All deliver the high image quality you expect from Kodak.



## DECENTRALIZED WORKFLOW FOR GREATER PRODUCTIVITY



### PROCESS MORE IMAGES IN LESS TIME

- Process up to 86 cassettes an hour.
- Handle up to 8 exposed and 8 erased cassettes at a time.
- Cassette is ready to reuse in less than 47 seconds.
- Review an image in as little as 30 seconds at a Kodak DirectView remote operations panel.\*
- Forward images directly to multiple network destinations (laser imager, diagnostic workstation, or archive) without radiographer intervention if desired.
- Print the first image on film in just 147 seconds using a Kodak DryView 8700 laser imager.

\*Dependent on cassette size and network performance.

### IMPROVE WORKFLOW AND PRODUCTIVITY

- Complete an exam in as few as four screens depending on system configuration.
- Save time and effort with a bar-code reader for patient/cassette/exam ID.
- Perform virtually all study functions in the examination room with a wall-mounted Kodak DirectView remote operations panel—patient/cassette/exam ID, image review, image routing/rerouting, requests for image reprocessing, and editing of patient demographics and position markers.
- Reduce time away from the patient and improve patient satisfaction—leave the examination room only to place exposed cassettes in the reader.
- Reprocess images if needed during image review—reducing the cost, time, dose, and inconvenience of repeat exposures.
- Expand the reach of this and other DirectView CR systems by connecting as many as ten Kodak DirectView remote operations panels.
- Improve workflow with a convenient start/pause button on the unit that enables two individuals to use the CR at one time—one can interact with the interface while another begins cassette processing.

### EASY-TO-USE, INTUITIVE USER INTERFACE

- Learn and use the system quickly with a bright, colorful, intuitive interface designed for simple and consistent operation across all Kodak DirectView CR and DR systems.
- Use the same interface at the unit's 15-inch flat-panel touch screen and at the remote operations panel.
- Pre-select up to 24 unique profiles of multiple destinations, freeing the radiographer from this task.
- Customize and preset image display parameters to suit department preferences.
- Choose the order in which patient records appear on the worklist screen to suit user preference—alphabetical, oldest first, newest first.
- Preset which field will be in focus when the worklist query screen first appears.



## SET NEW DIAGNOSTIC STANDARDS

- Process images with built-in state-of-the-art Kodak DirectView PTS image processing software, which uses a perceptual tone scale algorithm to support multiple exam types and body parts.
- Take image quality and diagnostic confidence to a new level with optional Kodak DirectView EVP software that provides extended image latitude without loss of detail contrast.
- Use Kodak black surround/masking software.

## SIMPLIFY IMAGE MANAGEMENT

- Store approximately 2,000 images online for rapid recall.
- Minimize errors with a system configuration that prohibits distribution without image approval.
- Route images automatically to multiple DICOM destinations.
- Users are alerted when patient data are incomplete or image delivery is pending.
- View the status of the last printer to which the system forwarded an image.
- Avoid image loss from power failure with standard on-board, uninterruptible power supply (UPS).

## INTEGRATE EASILY WITH PACS

- Kodak DICOM storage class software is available for easy integration with PACS.
- Available options:
  - Choose Kodak DICOM storage class software and Kodak DICOM work list management software.
- Connect with Kodak PACS Link-configured DryView laser imagers and with Kodak DirectView PACS and Kodak-approved DICOM devices from other suppliers.

## GUARD PATIENT DATA

- Configure the system to require entry of user name and password.
- Guard against unauthorized viewing of an unattended system with an automatic security screensaver.

## CHOOSE PRINTING FORMATS

- Print true-size with any Kodak DryView laser imager with optional Kodak DirectView V3 software/feature package.
- Print all one-up images with consistent size using Kodak DryView laser imagers.\*
- Print images with two-up landscape or four-up portrait format on a single sheet of film.

\*8700, 8500, 8300, 8200, 8100

## COUNT ON KODAK'S NETWORK EXPERTS

- Maximize your network throughput, performance, and reliability with Kodak imaging network services.
- Count on Kodak as your single point of contact for expert network consulting, assessment, design, implementation, support, and monitoring.
- Check with your local Kodak representative for network service availability.

“Kodak’s (DirectView EVP) image processing software... provides optimal viewing of structures with vastly different densities, which is a tremendous advantage.”

Dr. Donald Miller, President, Radiology Group  
Marion General Hospital and Marion Area Health Center, Marion, Ohio

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## OPTIONAL ACCESSORIES

### KODAK DIRECTVIEW V3 SOFTWARE/FEATURE PACKAGE

Image preparation features include a configurable text box, true-size printing with any Kodak DryView laser imager, and automatic detection and suppression of grid-line artifacts for softcopy review.

Productivity features include the ability to preload procedure and exam information to save keystrokes, an enhanced trauma button for quick selection of a custom patient record when multiple trauma patients must be imaged, and a "reject image reason" data-entry tool that promotes productivity by identifying areas for improvement.

### KODAK DIRECTVIEW REMOTE OPERATIONS PANEL

Extend CR 950 system reach and functionality with this wall-mounted touch-screen panel that allows radiographers to perform most system functions away from the main unit. Network up to 10 remote operations panels to a single Kodak DirectView CR system. Or network one remote operations panel to as many as eight CR systems.

### KODAK DIRECTVIEW TOTAL QUALITY TOOL

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

### KODAK DIRECTVIEW REMOTE PATIENT DATA ENTRY SOFTWARE

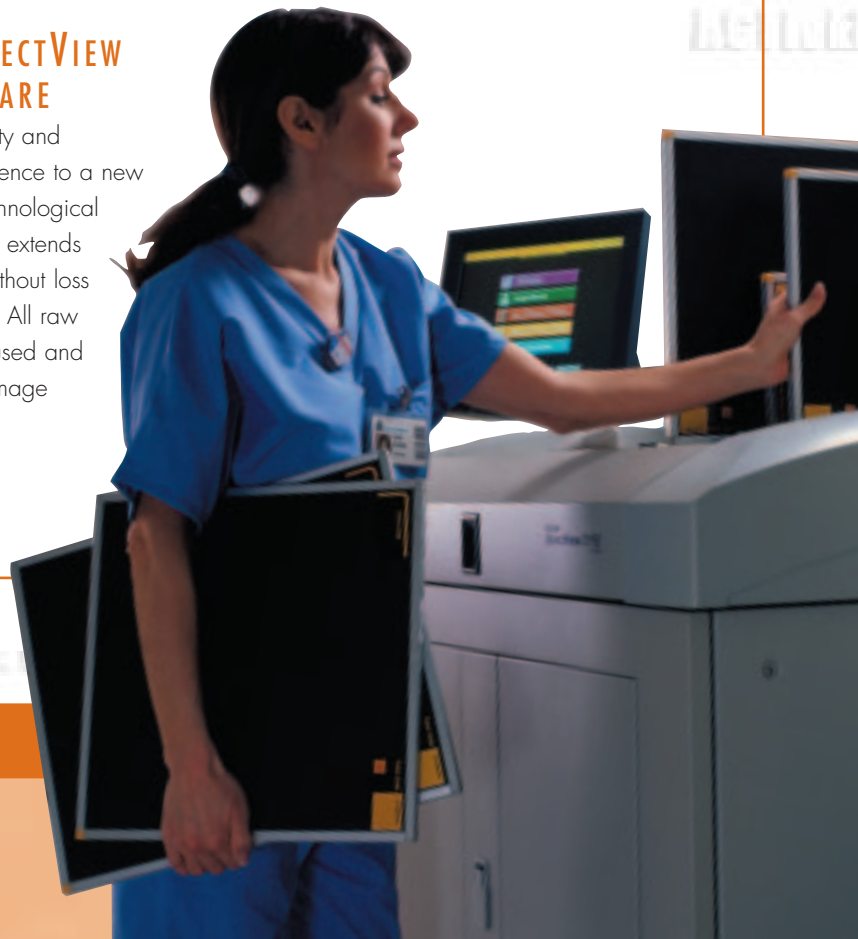
Increase productivity, improve workflow, and enhance patient satisfaction with remote entry of patient data. Enter demographic data for exams with a PC at the radiology reception desk or other preferred location. Enable your radiographer to spend more time performing examinations.

### KODAK DIRECTVIEW EVP SOFTWARE

Take image quality and diagnostic confidence to a new level with this technological breakthrough that extends image latitude without loss of detail contrast. All raw image data are used and retained during image processing and enhancement.

### KODAK DIRECTVIEW CR LONG-LENGTH IMAGING SYSTEM

Capture long-bone computed radiography images—full leg and full spine—with your Kodak DirectView CR 800/900 series system. This easy-to-use accessory provides fully automatic and highly reliable stitching software that delivers images up to 17 inches wide by 51 inches long (43 x 129 cm), with few, if any, visible seams. System includes a wall-mounted vertical cassette holder, four 35 x 43-cm cassettes specially keyed to fit the holder, and a software license for accessing image-stitching software. Ideal for high-volume softcopy viewing, images also can be printed on film for viewbox display.



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## PRODUCT SPECIFICATIONS



### DIMENSIONS

- Height: 58 in. (147.3 cm) (41 in. [104.1 cm] at cassette station)
- Width: 41 in. (104.1 cm)
- Depth: 30 in. (76.2 cm)
- Weight: 1048 lb. (475.4 kg)
- Monitor: 15.0 in. flat-panel touch screen, full color, 1024 x 768 matrix

### THROUGHPUT

- Capable of handling up to 8 exposed cassettes and 8 erased cassettes at a time
- Throughput: up to 86 cassettes/hour
- Time from cassette insertion to image at network: 55 seconds or less\*

\* Dependent on cassette size and network performance

Cassette Size	Cassette Type	Cassettes per Hour
18 x 24 cm	GP	84
24 x 30 cm	GP	77
35 x 35 cm	GP	82
35 x 43 cm	GP	76
18 x 24 cm	HR	86
24 x 30 cm	HR	78

### GRAYSCALE RESOLUTION

- 4096 (12-bit grayscale)

### POWER

Includes an on-board, uninterruptible power supply (UPS)  
100–120 VAC 10 Amps 50/60 Hz  
200–240 VAC 5 Amps 50/60 Hz

### HEAT DISSIPATION

1400 BTU/HR Max

### NETWORK

10 BASE-T, 100 BASE-T Network Adapter

### REGULATORY

- FDA, UL, CUL, CE Mark
- System is certified as a casual patient contact medical device

### OTHER OPTIONS

- Kodak black surround/masking software
- Cassettes
  - Kodak DirectView CR cassette/with GP screen/35 x 43 cm, 35 x 35 cm, 24 x 30 cm, and 18 x 24 cm
  - Kodak DirectView CR cassette/with HR screen/24 x 30 cm and 18 x 24 cm

### MORE INFORMATION

Learn more about the Kodak DirectView CR 950 system and Kodak's other products for enhanced CR performance. Contact your Kodak representative. Call 1-877-TO-KODAK (1-877-865-6325), ext. 227.

Or visit [www.kodak.com/go/CR](http://www.kodak.com/go/CR).

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Outside the U.S. or Canada,  
please contact your local Kodak company.

[www.kodak.com/go/CR](http://www.kodak.com/go/CR)

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