

KODAK FILM DIGITIZERS



Digitizing solutions for
all your radiographic
imaging needs

HEALTH IMAGING
A BETTER VIEW OF LIFE.



KODAK FILM DIGITIZERS

HIGH PERFORMANCE IN A CHOICE OF

Simplify your film-digitizing process—wherever you are on the path to digital—with a KODAK Film Digitizer. Whether you're scanning film images into PACS, accessing images at remote locations, archiving film in space-saving digital form, or copying your film without wet processing, Kodak has a film-digitizing solution to meet your needs. Each tabletop model, available in a range of resolutions, delivers the image quality, performance, reliability, and ease of use synonymous with the Kodak name, backed by Kodak service and technical support.

Featuring excellent density precision and spatial resolution, these digitizers handle most radiology needs, from basic teleradiology applications to more exacting high-resolution studies. All five systems feature workflow-enhancing KODAK General Radiography Software, and TWAIN or SCSI interface.

Self-calibrating and unaffected by ambient light, they are reliable and require almost no maintenance.

With automatic film handling, all the user has to do is insert the film. KODAK Film Digitizers do the rest, easily and affordably.



TABLETOP MODELS

EXCELLENT IMAGE QUALITY

Kodak film digitizers provide the density resolution needed to visualize subtle, low-contrast abnormalities. A laser beam discretely illuminates each point (pixel) on the film, with over 90% of the transmitted light collected and measured. This laser light is more efficient at penetrating higher optical densities than other light sources. As a result, the resolution and densities in the digital image are representative of the original radiograph. A patented logarithmic amplifier, unique to Kodak film digitizers, evenly distributes digital signals to an accuracy of 0.001 optical density. No other digitizer has this high degree of density accuracy. It enables better digitizing of grayscale detail at higher densities to produce low-noise digital images.

EASY INTEGRATION

A choice of TWAIN or SCSI interface assures easy integration into your PACS environment. Whether you're a full PACS user, a mobile radiology unit, or just beginning the transition to digital imaging, Kodak film digitizers have the flexibility to deliver high-quality images the way you need them.

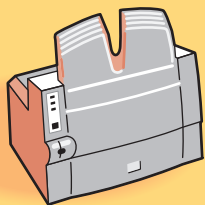
WORKFLOW EFFICIENCY

Kodak general radiography software offers workflow-enhancing features. The easy-to-use "scan wizard" tool "walks" users through the step-by-step process required to query patient data, acquire, and send images. Users have access to a complete suite of image-viewing and manipulation functions, including dynamic adjustment of image contrast and brightness, magnification, and annotation.

Other software features allow users to:

- Acquire digital images from digitizer systems for use with an external diagnostic viewing station.
- 1, 2, 4, or 9 images on a single piece of film with a multiformat print function.
- View any patient image in thumbnail using a "preview" pane.
- "Drag-and-drop" images to send them to a destination.
- Easily scan and distribute DICOM images, and archive images in DICOM Part 10 format on removable media.
- Optional bar code reader that automatically scans bar codes placed on the film.

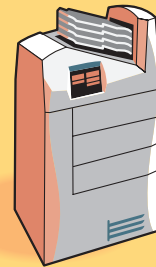
KODAK Film Digitizer as a part of digital film duplication and printing



KODAK
Film Digitizer

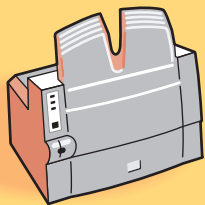


Workstation



KODAK DRYVIEW System
for duplication

KODAK Film Digitizer as a part of a teleradiology/telemedicine remote diagnosis system



KODAK
Film Digitizer

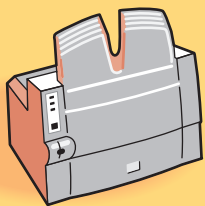


Workstation



Telemedicine/Teleradiology
Workstation

KODAK Film Digitizer as a part of a PACS system



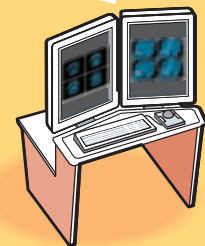
KODAK
Film Digitizer



Workstation



Archive for PACS



Telemedicine/Teleradiology
Workstation



CHOICE OF CONFIGURATIONS

With five models to select from, there's a Kodak film digitizer to fit your environment and your application needs:



For low-volume sites

- 2K resolution
- Accepts films up to 14 x 17 in. (35 x 43 cm) and scans 80 lines per second
- Converts film images to digital images of 2048 pixels x 2500 lines x 12 bits (4096 gray levels)
- Density precision a linear function from **0.03 to 3.2 OD**



For PACS, teleradiology, and film duplication

- Up to 4K resolution
- Accepts films up to 14 x 17 in. (35 x 43 cm) and scans 115 lines per second
- Converts film images to digital images of 1024, 2048, or 4096 pixels x 5000 lines x 12 bits (4096 gray levels)
- Density precision a linear function from **0.03 to 3.8 OD**



For research and other high-resolution applications

- Up to 4K resolution
- Accepts films up to 14 x 17 in. (35 x 43 cm) and scans 75 lines per second
- Converts film images to digital images of 2048 pixels x 5000 lines x 12 bits (4096 gray levels)
- Density precision a linear function from **0.03 to 3.85 OD**



For radiation therapy and dosimetry

- 1K resolution
- Accepts films up to 14 x 17 in. (35 x 43 cm) and scans 115 lines per second
- Converts film images to digital images of 1024 pixels x 1250 lines x 12 bits (4096 gray levels)
- Density precision a linear function from **0.03 to 3.6 OD**



For high-resolution and teleradiology applications

- Up to 5K resolution
- Accepts films up to 10 x 12 in. (25.4 x 30.5 cm) and scans 75 lines per second
- Converts film images to digital images of 2048, 4096, or 5120 pixels x 6140 lines x 12 bits (4096 gray levels)
- Density precision a linear function from **0.03 to 3.85 OD**

KODAK FILM DIGITIZERS

PRODUCT SPECIFICATIONS



DIMENSIONS

- Height: 16 in. (40.6 cm)
- Width: 21 in. (53.3 cm)
- Depth: 29 in. (73.7 cm)
- Weight: 90 lb (40.9 kg)

ILLUMINATION SYSTEM

- Type He-Ne Laser
- Scan: Galvanometer

COLLECTION SYSTEM

- Integrating cylinder

INTERFACE

- TWAIN or SCSI
- 12 or 8 bits/pixel

POWER

- 100, 120, 230, and 240 VAC, 2 Amp, 50/60 Hz

REGULATORY

- UL, cUL, TUV, CE
- 510k Clearance

KODAK FILM DIGITIZERS—COMPARISON

Model	LS40	LS50	LS75	LS85	LS85 LF
Resolution	2K pixels	1K pixels	4K pixels	5K pixels	4K pixels
Clinical range	.001 optical density from .03–3.2; pixel value range 0–3200	.001 optical density from .03–3.6; pixel value range 0–3600	.001 optical density from .05–3.8; pixel value range 0–3800	.001 optical density from .03–3.85; pixel value range 0–3850	.001 optical density from .03–3.85; pixel value range 0–3850
Scan rate	80 lines per second	115 lines per second	115 lines per second	75 lines per second	75 lines per second

All models interface the same way, and share all drivers and software libraries. Optional single-sheet, 6-sheet film feeder and bar code reader available on all models.

FIND OUT MORE

For more information about Kodak film digitizers, contact your local Kodak representative. Or call 1-877-TO-KODAK (1-877-865-6325), ext. 227. Or visit www.kodak.com/go/health.

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