

## **KODAK LS75** **Film Digitizer** **High-resolution** **laser film digitizer**



- **Up to 4k resolution**
- **For high resolution teleradiology applications**

The Kodak LS75 film digitizer is a high-performance tabletop laser film digitizer designed especially for high-resolution teleradiology applications. It accepts films up to 14 x 17 in. (35 x 43 cm). The LS75 digitizer offers all the inherent advantages of other Kodak laser film digitizers, including ease of use, excellent density resolution and precision, and spatial resolution.

Self-calibrating and unaffected by ambient light, this digitizer provides the performance, image quality, and reliability you expect from Kodak, the leader in medical imaging. All the user has to do is insert the film.

### **RESOLUTION**

Film images are converted to high-resolution digital images of up to 4096 pixels x 5000 lines. Each pixel is assigned a digital value equal to 1000x OD (optical density at that point). For example, any point on the film with an optical density

of 2.5 is assigned a pixel value of 2500. The actual pixel value *range* is from 0 to 3800 (optical density 3.8) in OD increments of 0.001.

Unique to Kodak film digitizers, the patented logarithmic amplifier enables better digitizing of grayscale detail at higher densities.

The LS75 is the best choice for high-resolution teleradiology/PACS requirements where diagnostic quality is imperative. The density resolution and precision is a linear function from 0.05 to 3.8 OD, providing the resolution needed to visualize subtle abnormalities.

Only a laser film digitizer can deliver this high degree of precision, with a laser beam discretely illuminating *each point* (pixel) on the film, and over 90% of the transmitted light collected and measured.

### **LEARN MORE**

For more information about the Kodak LS75 film digitizer, or the Kodak family of laser film digitizers, contact your authorized dealer of Kodak products. Or visit [www.kodak.com/go/health](http://www.kodak.com/go/health).



# KODAK LS75 Film Digitizer

## PRODUCT SPECIFICATIONS



Up to 4K Resolution

12-Bit Imaging

Tabletop Size

Automatic Film Handling

Optional Single-Sheet Feeder

Optional 6-Sheet Feeder

Optional Bar-Code Reader

### PIXEL GEOMETRY

Spot Size

100  $\mu$ m

Pixels/Inch

256 PxPI

Limiting Resolution

5.0 lp/mm

### SCAN RATE

115 lines/second

### COLLECTION SYSTEM

Integrating Cylinder

### 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)

### OPTICAL DENSITY

Least Count

0.001 OD

Clinical Range—Linear

0.05 to 3.8 OD

Noise @ 2.5 OD

<0.02 OD 1 sigma

### INTERFACE

PC ISA or SCSI

12 or 8 bits/pixel

### FILM SIZE

7 to 14 in. (18 to 35 cm) width

7 to 36 in. (18 to 90 cm) length

### POWER

110–120 VAC 1 Amp 50/60 Hz

### ILLUMINATION SYSTEM

Type

He-Ne Laser

Scan

Galvanometer

### REGULATORY

UL, cUL, TUV, CE

510k Clearance

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

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