

## **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 100-Sheet Feeder  
Optional Bar-Code Reader

### 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)

### FILM SIZE

7 to 14 in. (18 to 35 cm) width  
7 to 36 in. (18 to 90 cm) length

### PIXEL GEOMETRY

Spot Size  
100  $\mu$ m  
Pixels/Inch  
256 PxPI  
Limiting Resolution  
5.0 lp/mm

### SCAN RATE

115 lines/second

### 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

### ILLUMINATION SYSTEM

Type  
He-Ne Laser  
Scan  
Galvanometer

### COLLECTION SYSTEM

Integrating Cylinder

### INTERFACE

PC ISA or SCSI  
12 or 8 bits/pixel

### POWER

110–120 VAC 1 Amp 50/60 Hz

### REGULATORY

UL, cUL, TUV, CE  
510k Clearance

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

Health Imaging Division  
EASTMAN KODAK COMPANY  
343 State Street  
Rochester, NY 14650-1132  
1-800-810-0327

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

