

# SIERRA Advantage



## X-Ray Film Digitizer for Teleradiology and Low Volume Digitizing

The award-winning SIERRA *Advantage* film digitizer represents a significant advance in film digitizer technology and overcomes some of the most common barriers to digitizer use – quality, cost and size. It is small enough to be easily wall-mounted, solving siting problems commonly found at hospitals and radiology offices. It can be deployed in a number of other settings where quick access to high quality electronic images enhances patient care, such as the emergency department, intensive care and coronary units, as well as teaching hospitals and alternate care settings.



## SIERRA *Advantage* Features & Benefits

- Clinically proven image quality and consistency.
- Available with single or 10-sheet film feeder.
- Ideal for cost-effective use in teleradiology, small imaging centers, and emergency rooms.
- Improves productivity and workflow.
- Low total cost of ownership.



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A 3D Systems Company



Nominal Resolution	Pixels (14"x17" film)	Spot Size (um)	DPI	Line pairs Per mm	Digitizing Speed
1K x 1.25K	1050 x 1275	339	75	1.5	15 Seconds
2K x 2.5K	2100 x 2550	169	150	3.0	30 Seconds
4K x 5K	4200 x 5100	85	300	5.8	61 Seconds

## SPECIFICATIONS

### Clinical Optical Density Range

0.2 to 3.6

### Bit Depth

16-bit mapped to 12-bit (4096) and 8-bit (256) grayscale output

### MTBF

>35,000 hours

### Film Sizes

Width: 7" to 14" (17.8 cm to 35.6 cm)  
 Length: 7" to 17" (17.8 cm to 43.2 cm)  
 up to 51" (130 cm) can be accommodated in single film mode  
 Thickness: 0.006" to 0.008" (0.15 mm to 0.20 mm)

### Film Feeder

Single sheet standard; 10-sheet feeder optional  
 "Light Box" loading: head-up, normal reading, left justified  
 Film sizes up to 14" x 17" (35.6 cm x 43.2 cm)

### Translation Tables

Linear OD

### Geometric Accuracy

Better than 1% or 2 pixels, whichever is greater, in both axes

### Hardware Interface

USB 2.0

### Software

Windows® scanning modules and software development tools available

### Power Requirements

Voltage: 100~240 Vac  
 Frequency: 50~60 Hz  
 Power: ≤48 Watts

### Operating Environment

60° to 85° F (15° to 30° C), 20% to 85% relative humidity, non-condensing

### Storage Environment

5° to 140° F (-15° to 60° C), 20% to 85% relative humidity, non-condensing

### Illuminator

LED Illuminator

### Detector

Solid-state, next-generation High Definition CCD (HD-CCD®)

### Dimensions

Footprint: 19" W x 13.30" D (48.26 cm x 33.78 cm)  
 Overall: 19" W x 13.30 D" x 37.65" H (48.26 cm x 33.78 cm x 95.63cm)  
 Shipping: 27" W x 18.5" L x 27.38" H (68.6 cm x 46.99 cm x 69.55 cm)

### Weight

\*21.5 lbs. (9.75 kg); shipping weight: 48 lbs. (20.52 kg)  
 \*Scanner only. With exit tray/stand/feeder = 30 lbs.

*Specifications are subject to change without notice*

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