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.
### 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)
- 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**
60º to 85º F (15º to 30º C), 20% to 85% relative humidity, non-condensing

**Storage Environment**
5º to 140º F (-15º to 60º 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 95.63 cm)
- 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*

365 Herndon Parkway  
Herndon, VA USA 20170  
Phone: +1.703.471.7070  
Toll Free: 1.800.472.7226  
Fax: +1.703.471.7665  
www.vidar.com

VIDAR IS A registered trademark of 3D Systems Corporation. All other product names are registered marks of their respective parent.  
VIDAR Publication PN 18632-001, Rev D, March 2012