



Combination Film & Paper DICOM Digitizer

Introducing the **NEO S60™** Film & Paper Digitizer, the most elegant way to turn legacy x-ray films and paper reports into DICOM 3.0 compliant images. Using a single scan path, the **NEO S60™** can scan both film and paper back-to-back, creating a series of DICOM images that can be added to existing PACS systems.

At 4.7 maximum optical density, the **NEO S60™** produces superb quality digital images. Boasting a small footprint and weighing less than 20 lbs, the **NEO S60™** is incredibly light and very economical. In combination with OmniVue® Acquisition & Viewing Software and a reliable computer workstation, the **NEO S60™** becomes a turnkey scanning system for all medical imaging facilities.

With 60 sheets per hour throughput, the **NEO S60™** provides a fast, efficient and economical way to convert all analog records into the industry standard DICOM format for digital storage, duplication and transmission.



Product Features

The **NEO S60™** is capable of digitizing both film and paper – eliminating the need to have an additional document scanner to scan paper reports. Film and paper sizes range from 2.5 to 17 inches. At only 19.8 lbs, the **NEO S60™** is the smallest and lightest medical digitizer in the market. Easy maintenance, no moving parts and a cold cathode light source design are some of the features that make this digitizer extremely reliable.

Image quality is assured with the “Automatic Calibration” feature, which activates before every scan. The **NEO S60™** can digitize film and paper at resolutions up to 600 dots-per-inch, ranging from 1K by 1.5K all the way up to 8K by 10K.

The **NEO S60™** can process and deliver 65,536 shades of gray at full 16 bits, compared to other scanners which max out at 4096 shades of gray. The user can also select 256 shades of gray at 8 bits. Image control is assured through a maximum optical density of 4.7. Brightness, contrast, gamma and exposure control (integration time) are standardized throughout the hardware.

Wall mount brackets, output tray and a catch basket are included with **NEO S60™** to maximize your installation options. The **NEO S60™** can be easily added to any existing system that utilizes OmniVue® software.

Full integration into OmniVue® Software

NEO S60™ is fully integrated with OmniVue® DICOM Diagnostic Viewing software. Using the acquisition module built into OmniVue®, you can digitize both film and paper to create DICOM images. These images can be sent to a PACS for storage or burned onto a CD or DVD. OmniVue® allows users to select modality, institution name, model number and accession number while scanning films. Optional software features such as Modality Worklist and OmniLink™ encrypted image transmission may be added to any system.

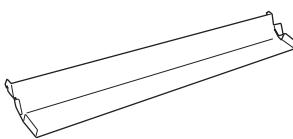
Optional Multi-Sheet Film Feeder

An optional Multi-Sheet Film Feeder allows for multiple films to be digitized at one time. Up to 15 mixed-size films can be placed in the feeder for single-click operation. Films are automatically scanned, cropped, adjusted and delivered to OmniVue® software. The Multi-Sheet Film Feeder plugs directly into the back of the digitizer for a fast and seamless upgrade without the need for an additional power source.

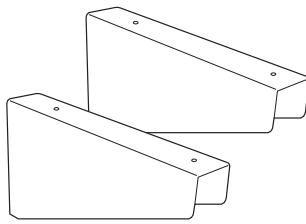


Product Specifications

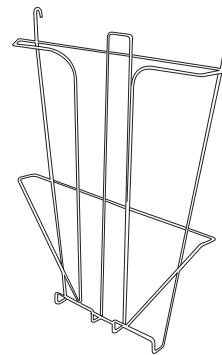
Resolution	Up to 600 dpi
Sensor	High Pixel CCD
Optical Density (DMAX)	4.7
Bit Depth	16 bits, 65,536 shades of gray output
Film / Paper Size	Min: 1.96" x 2.17" (50 mm x 55 mm) Max: 14" x 35" (355.6 mm x 889 mm)
Scan Rate	11.5 ms/line, 55 seconds per 14" x 17" Film
Interface	Hi-Speed USB 2.0
Software	Windows XP, Vista, Windows 7 interface compatible with OmniVue®
Voltage Requirements	AC 100V to 240V, 47-63 Hz, 1.5A Max (Input)
Power Consumption	54.9 Watts (Max)
Operating Environment	50° – 104° F (10° – 40° C)
Relative Humidity	20% to 85%
Light Source	Cold Cathode Lamp
Lamp Life	>= 50,000 hours
MTBF	>= 50,000 hours
Weight	19.82 lbs (9 kg)
Dimensions (L x W x H)	10.2" x 18.7" x 9.3" (259 mm x 475 mm x 236 mm)
Certifications	FDA, CE, FCC Class B, ISO 9001, ISO 14001



Output Tray



Wall Mounts



Catch Basket