

Film Scanning Solutions for Any Practice

LS Wide-Feeder and DMax Systems

Identifying a suspicious lesion during a screening or diagnostic mammogram can be a life-saving moment. When breast cancer is detected and treated in its earliest stages, the five-year survival rate is 98 percent.* Hologic is dedicated to supporting radiologists in their meticulous search for the smallest, significant details in breast tissue.

Softcopy reading or scanning mammography films for computer-aided detection has never been easier with versatile scanning solutions to meet the needs of your practice.

DMax

The DMax features our finest stack-loading laser scanner. DMax scans film faster than other premium film scanners without sacrificing image quality. The powerful laser scanner is the only scanner available that penetrates the very darkest regions of a film. Only DMax allows the user to load up to twenty screening cases simultaneously, for high volume batch processing of CAD or archival films.



LS Wide-Feeder

The LS Wide-Feeder is an economical, table top film scanner that provides an efficient solution for imaging centers with space limitations. LS Wide-Feeder provides ImageChecker CAD and DigitalNow film archiving capabilities for smaller settings. Equipped with an adjustable width feed tray, the LS Wide-Feeder model allows scanning of English and metric sized mammography films through the use of a moveable feeder guide. LS Wide-Feeder allows the user to load up to 10 screening cases.

Most existing LS systems can be upgraded to accommodate both metric and English sized wider films. To learn more, please contact your Hologic account manager, call 781.999.7300, or email womenshealth@hologic.com.



Specifications

LS Wide-Feeder and DMax Systems

Film Scanning Platform

| Product specs/features/operational requirements | DMAX | LS Wide-Feeder |
|---|---------------------------------------|---|
| DICOM 3.0 conformant | Yes | Yes |
| Greenlight User Interface | Included | Included |
| Automatic Film Marker ID (AFMI) feature | Included | Included |
| Dynamic range | 12 bits grayscale | 12 bits grayscale |
| Film size | 18 x 24cm 24 x 30cm | 18 x 24cm 24 x 30cm 10 x 12 inches |
| Scanner model | Array 2908 HD | Vidar CADPro Smartfeeder XL |
| Autofeed capacity | 20 screening cases | 10 screening cases |
| Scan speed | 23 sec. | 25 sec. |
| Scanner type | Laser | CCD |
| Spatial resolution | 50 μ m | 44.5 μ m |
| Optical density range | OD 0 – 4.4 | OD 0.05 – 4.2 |
| Unit dimensions W x D x H | 30" x 29" x 60" (76 x 74 x 152 cm) | Scanner: 19" x 21 1/4" x 25 1/2" (48 x 54 x 65 cm) Monitor: 15 1/4" x 8" x 18" (39 x 20 x 46 cm) Computer: 8 1/2" x 18 1/2" x 19" (19 x 41 x 42cm) |
| Weight | Processing unit: 400 lbs (181 kg) | Scanner: 45 lbs (21 kg) Monitor: 14 lbs (6 kg) Computer: 28 lbs (13 kg) |
| Power | 115VAC, 50/60Hz, 500VA | 115VAC, 50/60Hz, 300VA |
| Temperature range | 10-35° C | 10-35° C |
| Relative humidity | 20-80% RH (25° C) | 20-80% RH (25° C) |
| Operational noise interface | < 62 dBA (12" from computer) | < 62 dBA (12" from computer) |

DigitalNow™ HD Software^{1,2}

| Product specs/features/operational requirements | DMAX/LS Wide-Feeder |
|---|---|
| Image output resolution | 50 μ to 200 μ m |
| Approximate output image size per film | 50 μ m ³ 18 x 24 cm = 34.6 MB 24 x 30 cm = 57.6 MB 100 μ m ³ 18 x 24 cm = 8.6 MB 24 x 30 cm = 14.4 MB |
| DICOM output | DICOM digital mammography image – for presentation |
| Image quality choices | <ul style="list-style-type: none"> • Four image contrast levels • VOI LUTs for selection of image brightness • Configurable window width & window center |

¹ License purchased separately

² Hologic does not recommend that DigitalNow HD processing be applied to digitized laser printed film.)

³ 100 μ m images are 75% smaller than 50 μ m images

ImageChecker® CAD Software¹

| Product specs/features/operational requirements | DMAX/LS Wide-Feeder |
|---|--|
| Calcification detection | Included |
| Mass detection | Included |
| Mass with calcification (Malc™) detection | Included |
| Anatomic correlation | Included |
| GreenLight User Interface | Included |
| Number of operating points for masses and calcs | 9 (3 calcs x 3 mass) |
| Choice of output | <ul style="list-style-type: none"> • CAD display (optional) • Postscript printer (optional) • DICOM mammography CAD SR • DICOM Secondary Capture Image (Montage) |

¹ 2009 Cancer Facts and Figures, American Cancer Society, USA

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