



R2 LS and DMax

Scanning Solutions

Providing a Choice

Film Scanning Solutions for Any Practice

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.

Scanning mammography films, for computer-aided detection or softcopy reading, 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, while keeping noise in check. Only DMax allows the user to load up to twenty cases simultaneously, for high volume batch processing of CAD or archival films.

LS

The LS is an economical, table top film scanner that provides an efficient solution for imaging centers with space limitations. LS provides R2 ImageChecker CAD and film archiving capabilities for smaller settings.

DMax



DX Workflow Enhancement Package

The DX Workflow Enhancement Package provides an easy upgrade path for LS customers to enhance workflow through optimal placement of components in a compact, stylish cart. DX Workflow Enhancement package includes a wireless barcode reader for a more seamless workflow.



LS

Film Scanning Platform

Product specs/features/ operational requirements	DMAX	LS	Workflow Enhancement package (when ordered with LS)
DICOM 3.0 conformant	Yes	Yes	Yes
Greenlight User Interface	Included	Included	Included
Automatic Film Marker ID (AFMI) Feature	Included	Included	Included
Dynamic Range	12 bits grayscale	12 bits grayscale	12 bits grayscale
Film size	18 x 24cm 24 x 30cm	18 x 24cm 24 x 30cm	18 x 24cm 24 x 30cm
Scanner model	Array 2908 HD	Vidar CADPro Advantage	Vidar CADPro Advantage
Autofeed capacity	20 cases	5 cases	5 cases
Scan Speed	23 sec.	30 sec.	30 sec.
Scanner type	Laser	CCD	CCD
Spatial Resolution	50 µm	44.5 µm	44.5 µm
Optical Density range	OD 0 – 4.4	OD 0.05 – 4.2	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 21¼" x 25½" (48 x 54 x 65 cm) Monitor: 15¼" x 8" x 18" (39 x 20 x 46 cm) Computer: 8½" x 18½" x 19" (19 x 41 x 42cm)	Scanner: 19" x 21¼" x 25½" (48 x 54 x 65 cm) Monitor: 15¼" x 8" x 18" (39 x 20 x 46 cm) Computer: 8½" x 18½" x 19" (19 x 41 x 42cm) Workflow Enhancement Package: 31½" x 31" x 61" (80 x 79 x 155cm)
Weight	Processing unit: 400 lbs (181 kg)	Scanner: 45 lbs (21 kg) Monitor: 14 lbs (6 kg) Computer: 28 lbs (13 kg)	Total: 187 lbs (85 kg)
Power	115VAC, 50/60Hz, 500VA	115VAC, 50/60Hz, 300VA	115VAC, 50/60Hz, 300VA
Temperature Range	10-35° C	10-35° C	10-35° C
Relative Humidity	20-80% RH (25° C)	20-80% RH (25° C)	20-80% RH (25° C)
Operational Noise Interface	< 62 dBA (12" from computer)	< 62 dBA (12" from computer)	< 62 dBA (12" from computer)

DigitalNow Software*

Product specs/features/ operational requirements	DMAX/LS
Image Output resolution	50µ and/or 100 µm
Output Image Size per film	50 µm** 18 x 24 cm = 34.6 MB 24 x 30 cm = 57.6 MB 100 µm** 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"> Configurable window width & window center DICOM Greyscale Standard Display Function

**100µm images are 75% smaller than 50µm images.
*If licensed

ImageChecker CAD Software*

Product specs/features/ operational requirements	DMAX/LS
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"> R2 Display (optional) Postscript printer (optional) DICOM Mammography CAD SR DICOM Secondary Capture Image (Montage)

*If licensed

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