

DiagnosticPRO Edge



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X-Ray Film Digitizer for PACS & Remote Primary Diagnosis*

VIDAR's DiagnosticPRO Edge has raised the bar by achieving better overall performance — reliability, image quality, consistency, and productivity — than any other digitizer on the market. With its high-resolution capabilities (44.5 microns), it provides the ability to digitize mammography films, and offers larger spot size options for digitizing general radiographic, CT, MR, ultrasound, and nuclear medicine films.

*The DiagnosticPRO Edge with ClinicalExpress or other DICOM standard software meet or exceed ACR and DICOM standards for use of secondary capture images for consultation, review and final interpretation. Images captured as DICOM MG are to be used as reference or comparison only, and not for primary diagnosis.

DiagnosticPRO Edge Features & Benefits

- Digitizes up to 25 mixed-sized films in batch mode, allowing more productivity and greater efficiency.
- Ideal for Dual use – general radiography or mammography.
- Clinically proven image quality and consistency.
- Exceeds the American College of Radiology Teleradiology Practice Guidelines.
- Offers the only 36-bit data path in the industry to maximize grayscale accuracy and performance.



3DSYSTEMS™

VIDAR
A 3D Systems Company

DIAGNOSTICPRO Edge

Nominal Resolution	Pixels (14"x17" film)	Spot Size (um)	DPI	Line pairs Per mm	Digitizing Speed
2K x 2.5K*	2100 x 2550	170	150	3	6.4 Seconds
4K x 5K	4200 x 5100	85	300	6	12.8 Seconds
Mammography film: 18 cm x 24 cm					
4.1K x 5.4K	4100 x 5400	44	570	11	10.3 Seconds
4.3K x 5.7K	4300 x 5700	42	600	11	10.8 Seconds

*ACR Standard for Teleradiology Guidelines [Revision 35 (1998)] recommends 2.5 line pairs/mm minimum

SPECIFICATIONS

Clinical Optical Density Range	0.07 to 4.0
Bit Depth	36-bit mapped to 16-bit(65536), 12-bit (4096) and 8-bit (256) grayscale output
MTBF	≥50,000 hours
Film Sizes	Width: 7" to 14" (18 cm to 35.6 cm), 3 inch minimum manual feed Length: 8" to 17" (20 cm to 43 cm), 3 inch minimum manual feed Single film mode: min. length of 3" (7.6 cm), max. length of 51" (129.5 cm) can be accommodated in single film mode only.
Auto Film Feeder	Standard 25-film capacity (mixed sized – no presorting necessary) "Light Box" loading: head-up, normal reading, left justified
Translation Tables	Linear OD
Geometric Accuracy	Better than 1% or 2 pixels, whichever is greater, in both axes
Scan Rate	400 lines/second
Hardware Interface	USB 2.0
Software	Windows® scanning modules and software development tools available
Power Requirements	Voltage: 85–264 Vac Frequency: 47–63 Hz Power: ≤ 48 Watts
Operating Environment	50° to 95° F (10° to 35° C), 20% to 85% relative humidity, non-condensing
Storage Environment	0° to 140° F (-18° to 60° C), 20% to 85% relative humidity, non-condensing
Illuminator	LED Illuminator; >500,000 scans
Detector	Solid-state, next-generation High Definition CCD (HD-CCD®)
Dimensions	With Feeder & Exit Tray: 18" W x 17.5" D x 24.5" H (457mm x 445mm x 622 mm) Without Feeder & Exit Tray: 18" W x 14.5" D x 9" H (457mm x 368mm x 229mm) Shipping: 18" W x 28" L x 16" H (457mm x 711mm x 406mm)
Weight	25 lbs. (11.3kg); shipping weight: 35 lbs. (15.9 kg)

Specifications are subject to change without notice

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VIDAR Publication PN 19610-001 Rev. A; October 2012

