DIAGNOSTICPRO® Advantage

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

VIDAR's DiagnosticPRO *Advantage* 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 Advantage 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 *Advantage*

DiagnosticPRO *Advantage* 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 32-bit data path in the industry to maximize grayscale accuracy and performance.

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Nominal Resolution	Pixels (14"x17" film)	Spot Size (um)	DPI	Line pairs Per mm	Digitizing Speed
2K x 2.5K*	2002 x 2431	170	150	3	12 Seconds
4K x 5K	3990 x 4845	85	300	6	24 Seconds
Mammography film: 18 cm x 24 cm					
4K x 5K	4104 x 5472	44	570	11	20 Seconds

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

SPECIFICATIONS

Clinical Optical Density Range	.05 to 4.0
Bit Depth	32-bit mapped to 12-bit (4096) and 8-bit (256) grayscale output
MTBF	≥50,000 hours
Film Sizes	Manual Feed: Width: 6" to 14" (15.24 cm to 35.56 cm) Length**: 7" to 51†" (17.78 cm to 129.54 cm) Thickness: 0.005" to 0.009" Auto Feed: Width: 7" to 14" (17.78 cm to 35.56 cm) Length: 7" to 17" (17.78 cm to 43.18 cm) Thickness: 0.005" to 0.009" ***A max. length of 51" (129.5 4cm) can be accommodated in single film mode only with maximum resolution of 300 DPI* *†Films longer than 17" require user support during feeding, and a scanning application that handles long films.*
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	200 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: ≤100 Watts
Operating Environment	50º to 95º F (10º to 35º C), 20% to 85% relative humidity, non-condensing
Storage/Shipping Environment	0º to 140º F (-18º to 60º 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: 19" W x 23" D x 29.25" H (483mm x 584mm x 743 mm) Without Feeder & Exit Tray: 19" W x 14.25 D" x 16.5" H (483mm x 362mm x 419mm) Shipping: 24" W x 29" L x 24" H (610mm x 737mm x 610mm)
Weight	45 lbs. (21kg); shipping weight: 60 lbs. (27 kg)

Specifications are subject to change without notice

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