

# CADPRO<sup>®</sup>

## Advantage

With SmartFeeder<sup>®</sup> XL



### X-Ray Film Digitizer for Mammography Priors, Digitized Film CAD\*

The VIDAR CAD PRO *Advantage* film digitizer is specifically designed and engineered for use in mammography CAD (computer-aided diagnosis) systems and is an ideal fit for mammography facilities transition to digital technology. It is able to bridge the gap in the transition to digital mammography – allowing for the digitization of film-based prior studies so that radiologists can view these priors, with their specific hanging protocols, on the mammography reading workstation.



CAD PRO *Advantage*  
with SmartFeeder XL

\* Images captured as DICOM MG are to be used as reference or comparison only, and not for primary diagnosis.

### CAD PRO *Advantage* Features & Benefits

- Unmatched spatial and contrast resolution, ensuring the image data received from the film digitizer is an exact representation of the original film.
- Digitize a four-film study in 93 seconds, 30% faster than previous versions, further increasing productivity.
- The SmartFeeder XL is designed for continuous case loading, allowing the user to add cases during the digitizing process.
- Includes a modular 50-sheet feeder which eliminates film jams, double feeds, and film pick-up problems.
- Automatic Digitizer Calibration (ADC) prompts the film digitizer to calibrate automatically before every film digitized without user intervention.



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Film Size	Nominal Resolution	Pixels	Spot Size (µm)	DPI	Line pairs per mm	Digitizing Speed
24 cm x 18 cm (analog)	5K x 4K	5376 x 4032	44	570	11	17 seconds
24 cm x 30 cm (analog)	5K x 7K	5376 x 6720	44	570	11	29 seconds
10" x 8" (printed)	6K x 5K	5700 x 4560	44	570	11	20 seconds
10" x 12" (printed)	6K x 7K	5700 x 6870	44	570	11	29 seconds

## SPECIFICATIONS

<b>Clinical Optical Density Range</b>	.05 to 4.2
<b>DMAX:</b>	4.8
<b>Bit Depth</b>	32-bit mapped to 16-bit (65,536) or 12-bit (4,096) Grayscale Output
<b>MTBF</b>	≥50,000 hours
<b>Film Sizes</b>	18 cm x 24 cm, 24 cm x 30 cm, 8" x 10" and 10" x 12" Thickness: 0.006" to 0.008"
<b>Auto Film Feeder</b>	Continuous Loading SmartFeeder XL — Modular with 50-film capacity (mixed sized, no presorting necessary)
<b>Translation Table</b>	Linear OD
<b>Geometric Accuracy</b>	Better than 1% or 2 pixels, whichever is greater, in both axes
<b>Scan Rate</b>	233 lines/second (160 films per hour, 18cm x 24cm)
<b>Hardware Interface</b>	USB 2.0
<b>Software</b>	Windows® scanning modules available
<b>Power Requirements</b>	Voltage: 85~264 vac Frequency: 47~63 Hz Power: ≤100 watts
<b>Operating Environment</b>	50° to 95° F (10° to 35° C), 20% to 85% relative humidity non-condensing
<b>Storage Environment</b>	0° to 140° F (-18° to 60° C), 20% to 85% relative humidity non-condensing
<b>Illuminator</b>	LED Illuminator, > 500,000 scans
<b>Detector</b>	Solid-state, next-generation High Definition CCD (HD-CCD®)
<b>Dimensions</b>	With Feeder & Exit Tray: 19" W x 21.25" D x 25.5" H (483 mm x 540 mm x 648 mm) Without Feeder & Exit Tray: 19" W x 14.25" D x 12.75" H (483 mm x 362 mm x 324 mm) Shipping: 24" W x 29" L x 24" H (610 mm x 737 mm x 610 mm)
<b>Weight</b>	47 lbs. (21 kg); shipping weight: 62 lbs (28 kg)

*Specifications are subject to change without notice*

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VIDAR Publication PN 15790-001 Rev L, March 2012

