CAD PRO® Advantage
With SmartFeeder® 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

Speed is calculated in landscape orientation

SPECIFICATIONS

Clinical Optical Density Range .05 to 4.2

DMAX: 4.8

Bit Depth 32-bit mapped to 16-bit (65,536) or 12-bit (4,096) Grayscale Output

MTBF ≥50,000 hours

Film Sizes 18 cm x 24 cm, 24 cm x 30 cm, 8" x 10" and 10" x 12"
Thickness: 0.005" to 0.009"

Auto Film Feeder Continuous Loading SmartFeeder *XL* — Modular with 50-film capacity (mixed sized, no presorting necessary)

Translation Table Linear OD

Geometric Accuracy Better than 1% or 2 pixels, whichever is greater, in both axes

Scan Rate 233 lines/second (160 films per hour, 18cm x 24cm)

Hardware Interface USB 2.0

Software Windows® scanning modules 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 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)

Weight 47 lbs. (21 kg); shipping weight: 62 lbs (28 kg)

Specifications are subject to change without notice

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