VIDAR NDT *PRO*
INDUSTRIAL FILM DIGITIZER

X-Ray Film Digitizer for Non-Destructive Film

VIDAR's NDT *PRO* Industrial Film Digitizer offers the NDT market a more cost effective alternative for digitizing film. With VIDAR's next-generation proprietary *High Definition CCD (HD-CCD)* technology, and its unique ADC (Automatic Digitizer Calibration) feature, there is virtually no variation in image quality and ensures excellent grayscale reproduction in every image. Unlike other digitizers that require biannual calibration and/or cleaning, VIDAR digitizers need no maintenance or calibration, saving substantial dollars annually.

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Industrial Film Digitizer

NDT *PRO* Industrial Film Digitizer Features & Benefits

- HD-CCD solid-state technology

- Removable/field replaceable LED long-life light source

- .05 to 4.0 OD, based on ISO 14096

- 11 line pairs per mm with geometric accuracy better than 1% or two pixels, whichever is greater, in both axes

- Handles film from 2.36" to 14" wide by 8" to 51" long

- Digitize up to 25 mixed-sized films in batch mode, allowing more productivity and greater efficiency

3DSYSTEMS

VIDAR
A 3D Systems Company

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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	27.8 Seconds
4K x 5K	4200 x 5100	85	300	6	55.6Seconds
8K x 10K	7980 x 9690	44	570	11	105.6 Seconds

SPECIFICATIONS

Optical Density Range	0.5 to 4.0, based on ISO 14096
Bit Depth	8, 12 & 16 bit grayscale output
MTBF	≥50,000 hours
Film Sizes	Width: 2.36" to 14" Length: 8" to 51" Specialty film sizes quoted are in single-sheet mode. Auto feed supports 8" x 10" up to 14" x 17" sizes
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	92 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 Environment	0º to 140º F (-18º to 60º C), 20% to 85% relative humidity, non-condensing
Illuminator	LED Illuminator
Detector	Solid-state, next-generation High Definition CCD (HD-CCD®)
Dimensions	With Feeder & Exit Tray: 19" W x 22 ¾" D x 32 ½ " H (48 cm x 58 cm x 83 cm) Without Feeder & Exit Tray: 19" W x 15" D x 12" H (48 cm x 38 cm x 32 cm) Shipping: 24" W x 29" L x 24" H (61 cm x 74 cm x 61 cm)
Weight	45 lbs. (21kg); shipping weight: 60 lbs. (27 kg)

Specifications are subject to change without notice

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