



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.

**Meets all standards for ISO 14096 Class DS and ASME Section V.**

### NDT *PRO* Industrial Film Digitizer Features & Benefits

- HD-CCD solid-state technology
- Removable/field replaceable LED long-life light source
- Up to 0.5 to 4.5 OD, based on ISO 14096 Class DS
- 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



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# VIDAR NDT PRO

INDUSTRIAL FILM DIGITIZER

Nominal Resolution	Pixels (14"x17" film)	Spot Size (um)	DPI	Line pairs Per mm	Digitizing Speed (standard scan mode)
2K x 2.5K	2100 x 2550	170	150	3	27.8 Seconds
4K x 5K	4200 x 5100	85	300	6	55.6 Seconds
8K x 10K	7980 x 9690	44	570	11	105.6 Seconds

## SPECIFICATIONS

<b>Optical Density Range</b>	0.5 to 4.0, standard scan mode, based on ISO 14096 0.5 to 4.5, DS scan mode.
<b>Bit Depth</b>	8, 12 & 16 bit grayscale output
<b>MTBF</b>	≥50,000 hours
<b>Film Sizes</b>	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
<b>Auto Film Feeder</b>	Standard 25-film capacity (mixed sized – no presorting necessary) "Light Box" loading: head-up, normal reading, left justified
<b>Translation Tables</b>	Linear OD
<b>Geometric Accuracy</b>	Better than 1% or 2 pixels, whichever is greater, in both axes
<b>Scan Rate</b>	92 lines/second
<b>Hardware Interface</b>	USB 2.0
<b>Software</b>	Windows® scanning modules and software development tools 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
<b>Detector</b>	Solid-state, next-generation High Definition CCD (HD-CCD®)
<b>Dimensions</b>	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)
<b>Weight</b>	45 lbs. (21kg); shipping weight: 60 lbs. (27 kg)

*Specifications are subject to change without notice*

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