# VIDAR NDT PRO
## INDUSTRIAL FILM DIGITIZER

**WILLICK**
ENGINEERING

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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.**

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### 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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| 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

| | |
|---|---|
| **Optical Density Range** | 0.5 to 4.0, standard scan mode, based on ISO 14096<br>0.5 to 4.5, DS scan mode. |
| **Bit Depth** | 8, 12 & 16 bit grayscale output |
| **MTBF** | ≥50,000 hours |
| **Film Sizes** | Width: 2.36" to 14"<br>Length: 8" to 51"<br>Specialty film sizes quoted are in single-sheet mode.<br>Auto feed supports 8" x 10" up to 14" x 17" sizes |
| **Auto Film Feeder** | Standard 25-film capacity (mixed sized – no presorting necessary)<br>"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<br>Frequency: 47~63 Hz<br>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)<br>Without Feeder & Exit Tray: 19" W x 15" D x 12" H (48 cm x 38 cm x 32 cm)<br>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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