



VSCAN NDTPRO

X-RAY FILM DIGITIZER FOR NON-DESTRUCTIVE FILM

VSCAN NDTPRO

HD-CCD

Grayscale

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'ISO 14096 Class DS' 'ASME Section V'

NDT PRO INDUSTRIAL FILM DIGITIZER FEATURES & BENEFITS

HD-CCD solid-state technology

Removable/field replaceable LED long-life light source

From 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 200" long

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

NOMINAL RESOLUTION	PIXELS (14"x 17" 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 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" Length: 8" to 200" 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	50° to 95° F (10° to 35° C), 20% to 85% relative humidity, non-condensing
Storage Environment	0° to 140° F (-18° to 60° 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 3/4" D x 32 1/2" 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)



<https://hiken.co.kr>
kenny@hiken.co.kr



Tel: +82 70-7895-2760