

VIDAR SELECT 50

WIDE FORMAT MONOCHROME SCANNERS



SELECT 50" - Model BASE and PLUS

Wide Format Monochrome Scanners

SCANNING

- High speed image enhancement
- Crisp, clear black-and-white
- Super Wide 50" imaging area
- Thick originals – up to 0.6"
- All-Wheel-Drive with contour adjustment
- 3C Maintenance System

COPYING

- Perfect reproduction of grayshades
- 2D-Sharpening/Softening/Blur
- Built-in Basic calibration – black-and-white points

SELECT 50"

The Vidar SELECT 50 wide-format monochrome scanner family incorporates the latest in imaging technology and doubles your value with both scanning and copying in high-quality black-and-white. The super wide imaging area handles large oversized engineering drawings, architectural sketches, maps, blueprints, sepias, etc.

 The Image of Reliability.



SELECT 50 – Wide Format Monochrome Scanners

SCANNING SUPERIORITY

This professional scanner meets all your wide-format scanning needs in high-quality grayscale and crisp, clear black-and-white. The SELECT 50 sets new standards for wide-format scanning speeds, scanning a full E-size (A0) drawing at 400 dpi turbo in only 7 seconds. The 50" wide imaging area enables you to scan E-size documents even in landscape, eliminating post-scan processing. An image depends on its many graytones to bring out details and give it depth. On the SELECT 50, graytones are captured at 12 bits for maximum precision, passing the best 8 bits of graytone data to the computer.

WIDE AND THICK ORIGINALS

The SELECT 50 can scan up to 0.6-inch (15mm.) thick originals such as posters mounted on foamboards, gatorboards etc. By also taking very wide originals - up to 51.5" (1310 mm.) wide with a scan width of 50", the SELECT 50 opens new possibilities for your business.

CARE FOR YOUR ORIGINAL

The All-Wheel-Drive with contour adjustment and precision rollers ensures a perfectly straight scanning path without using unnecessary force so you avoid both image distortion and damage to your customer's fragile originals. Dual shared axels synchronize roller movement to ensure a straight and stable scan path. Suspension components apply pressure evenly across the whole width of the document for an optimal yet delicate hold. The roller's soft-friction contact surface adds the final touch to a system that cares for your original and for your scan results.

IMAGE ENHANCEMENT POWER

The SELECT's on-board real time 2D-filters for sharpening, softening and blur provide superior results with a wide variety of input images. The SELECT 50 opens a whole new world in monochrome scanning technology with Dual 2D-Adaptive enhancement, in which processing is performed simultaneously and in real-time on individual aspects of the original. Enhancement includes ADL+ error diffusion halftoning, 2D-Adaptive foreground thresholding, 2D-Adaptive background suppression and 2D-Auto edge enhancement. Equipped with such image enhancement power, you can at any time produce clean, crisp scans from poor quality drawings, sepias, blueprints and photos. Dual 2D-Adaptive processing is the only pixel level cleanup of its kind in the industry today. All Digital Image Processing is embedded in the SELECT 50 scanner's hardware, enabling you to perform powerful image enhancement without scanning time overhead at speeds incomparable to standard software image enhancement processing.

MONOCHROME COPYING MADE EASY

The SELECT 50 monochrome scanner meets all your professional copy needs. Connect the SELECT 50 with a large-format printer and you get the perfect large-format monochrome digital copier. Getting the right settings for your copy job is easy. Dual 2D-Adaptive enhancement and ADL+ error diffusion halftoning produce reliable monochrome copies of drawings and photos in which even subtle differences between shades of gray are maintained in the printed output. The SELECT 50 is the perfect input device for copying of graphics, posters and complex maps in only a few minutes with fully adjustable graytone parameters. Use the optional Copy Kit to mount your PC and touchscreen directly on the scanner. Attach your large-format printer and create a convenient copy configuration that is always ready to use.

FLEXIBLE CONNECTIVITY

The SELECT 50 has two ultrafast SCSI Interfaces, so it can be attached simultaneously to two computers. Your system can then be used for both copying and scanning-to-file without changing the configuration. Vidar scanners protect your investment with support for STI (Still Image Interface) ensuring problem-free compatibility with current and future versions of Windows.

CALIBRATION

As a unique feature for monochrome scanners, the SELECT 50 can be user-calibrated in the field. Basic calibration sets black-and-white points on each individual pixel and ensures linearity in both highlight and shadow areas giving noise-free and stable scans. Basic calibration also reduces the unwanted effects caused by dust particles when scanning at high resolutions.

EASY SCANNER MAINTENANCE

The SELECT 50 scanner incorporates the 3C Maintenance system that keeps your cameras perfectly aligned, adjusted and calibrated for optimal image quality. The process is easy - just insert the maintenance sheet and follow the maintenance wizard's instructions. The 3C Maintenance system aligns and stitches your cameras to a fraction of a pixel giving the highest wide format image precision available. Basic-calibration completes the 3C maintenance system process. Once the scanner has been fine-tuned, it performs a number of tasks on its own, removing those tedious chores required with other scanner systems. Using patented technology, camera stitching and black-white-points are constantly monitored and corrected while your scanner is running. Vidar scanners are designed to let you concentrate on your work and take optimal scanner performance for granted.

Distributor:

Dealer:



SELECT 50 – Wide Format Monochrome Scanners

The two SELECT 50" scanner models differ in performance from entry level to high-end and can be easily upgraded with new features for future requirements through the Smart-Card Upgrade Kit.

SELECT 50" Models		BASE	PLUS
Maximum Resolution (software dependent.):	(in dpi)	400 dpi	2400 dpi
Optical Resolution:	(in dpi)	461	461
Variable Resolution Setting:	from 50 dpi in one dpi increments	√	√
Capture:	12 bits passing the best 8 bits of graytone data to the computer	√	√
Scanning Speed inch./sec.:	(400 dpi turbo)	3"/s	6"/s
Media Maximum Width:	51.5" (1310 mm.)	√	√
Maximum Thickness:	0.6" (15 mm.)	√	√
Scan Width:	50" (1270 mm.),	√	√
Scan Length:	not lim. by scanner	√	√
Digital Image Processing (embedded in hardware):	Dual 2D-Adaptive Enhancement	√	√
	ADL+ Error Diffusion Halftoning	√	√
	Copies with shades of gray	√	√
	2D-Background Supression	√	√
	2D-Sharpening and 2D-Softening	√	√
	2D-Adaptive Thresholding	√	√
	2D-Edge Enhancement	√	√
	2D-Graytone Blur Filter	√	√
Scan Modes:	8 bit graytone mode for 256 gray levels	√	√
	1 bit black-and-white line mode	√	√
	B/W Dual 2D-adaptive mode	√	√
	Copy modes with grayshades	√	√
3C Maintenance System:	Auto stitching to fraction of pixel	√	√
	Basic calibration	√	√
	Auto monitoring and correction (stitching, black-and-white point)	√	√
Sensors:	Triple linear CCDs	√	√
	23.700 pixels	√	√
	12 bits graytone data capture	√	√
All-Wheel-Drive:	Contour adjustment	√	√
	Precision rollers	√	√
Light Source:	Color matched fluorescent lamps – Color Rendering Index (CRI) > 95	√	√
Optics:	Compact optical path, torsion stabilized for portability	√	√
Interface:	Dual Ultrafast SCSI I/Fs, transfer rate: up to 20 Mb./sec.	√	√
	STI (Still Image Interface) support	√	√
Dimensions:	61.4" wide x 7.3"high x 18.3"deep (1560 x 185 x 465 mm.), Weight: 65 kg	√	√
Power:	110/220/240V, 60/50cs, 180W	√	√
Scanner Maintenance Kit (Included):	Maintenance software, Maintenance sheet	√	√
Interface board (Included):		√	√
Copy Kit (Optional):	Mount for PC and touchscreen (floor stand required)	√	√
Floor Stand (Optional):	Includes document basket	√	√
Thick Media Support Table (Optional):	Floor stand required	√	√
Host Platforms:	Windows 98, 98SE, ME, NT4, 2000, XP, Power Macintosh	√	√

Distributor:

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