LATITUDE 50"

SCANNING

- Photo-realistic vivid colors
- 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

- Color matching to printer & media
- Perfect reproduction of grayshades
- Built-in Basic calibration – black-and-white points
- Built-in Precision Color calibration

WIDE FORMAT COLOR SCANNERSLATITUDE 50"

The Vidar LATITUDE wide-format color scanner family incorporates the latest in imaging technology for high-quality, full color scanning andcopying. The super wide 50" imaging area handles large color posters, architectural sketches, maps, photos, drawings and fine art.The LATITUDE doubles your value twice by both scanning and copying and in both color and black-and-white.

Scanning Superiority

The versatile LATITUDE scanner creates images in photo-realisticcolors, high-quality grayscale and crisp, clear black-and-white. TheLATITUDE is very fast, scanning an E-size (A0) color original at 400dpi turbo in only 14 seconds.Color is captured at 36 bits for maximum color precision, passingthe best 24 bits of color data to the computer to enhance colorfidelity. The LATITUDE uses All-Digital cameras with advanced pointof-origin color capture and on-board digital conversion ensuring minimumnoise and an extended dynamic range. Quality color matchedfluorescent lamps ensure the market's highest standards for colorcorrectness.

Wide and Thick Originals

The LATITUDE can scan up to 0.6-inch (15mm.) thick originals suchas posters mounted on foamboards, gatorboards etc. By also takingvery wide originals - up to 51.5" (1310 mm.) wide with a scan widthof 50", the LATITUDE opens new possibilities for your business.

Care for Your Original

The All-Wheel-Drive with contour adjustment and precisionrollers ensures a perfectly straight scanning path without using unnecessaryforce so you avoid both image distortion and damage toyour customer's fragile originals.Dual shared axels synchronize roller movement to ensure astraight and stable scan path. Suspension components apply pressureevenly across the whole width of the document for an optimalyet delicate hold. The roller's soft-friction contact surface adds thefinal touch to a system that cares for your original and for your scanresults.

Image Enhancement Power

The LATITUDE's on-board real time color correction and 2D-filtersfor color sharpening, softening and blur provide superior results witha wide variety of input images. The LATITUDE supports the latest inmonochrome scanning technology with Dual 2D-Adaptive enhancementthat works simultaneously on foreground, background, edgesand other individual aspects of the original so you produce clean,crisp scans even from poor quality drawings. Dual 2D-Adaptiveprocessing is the only pixel level cleanup of its kind in the industrytoday.On the LATITUDE 8050, all

enhancement processing is embeddedin the hardware enabling you to perform powerful image enhancementwithout overhead and at speeds incomparable to standard softwareprocessing.

Copying Made Easy

Connect the LATITUDE 50" scanner with a large-format printer andyou get the perfect large format color and monochrome digital copier.With the scanner's high precision of details and colors, users canenlarge their creations to full display sizes without losing quality. ADL+ error diffusion halftoning will copy your most demanding B/W and graytone originals with all the shades of gray intact. Use the optional Copy Kit to mount your PC and touchscreendirectly on the scanner. Attach your large-format printer and createa convenient copy configuration that is always ready to use.

Flexible Connectivity

The LATITUDE has two ultrafast SCSI Interfaces, so it can be attachedsimultaneously to two computers. Your system can then beused for both copying and scanning-to-file without changing theconfiguration. Vidar scanners protect your investment with supportfor STI (Still Image Interface) ensuring problem-free compatibilitywith current and future versions of Windows.Precision ColorA new wide format scanner may come calibrated from the factory,but as time goes by, components and lamps will change characterand affect color output. With a Vidar scanner, your investment isfully protected and you need not worry about degradation. Theunique Precision Color system lets you calibrate in the field at anytime ensuring stabile and predictable color output. The LATITUDEscanner is calibrated to both sRGB and NTSC color spaces using anANSI IT8 calibration target. Furthermore, the automatic black-and-white point monitoring allows users to get an optimal dynamicrange of color fidelity tailored to the actual scanned original.Easy

Scanner Maintenance

The LATITUDE scanner incorporates the 3C Maintenancesystem that keeps your cameras perfectly aligned, adjusted and calibratedfor optimal image quality. The process is easy - just insert themaintenance sheet and follow the maintenance wizard's instructions.The 3C Maintenance system aligns and stitches your cameras to afraction of a pixel giving the highest wide format image precisionavailable. Basic-Calibration sets black-and-white points on each individualpixel and ensures linearity in both highlight and shadowareas giving noise-free and stable scans at all resolutions. PrecisionColor calibration completes the 3C maintenance system process.Once the scanner has been fine-tuned, it performs a number ofbasic tasks on its own, removing those tedious chores required withother scanner systems. Using patented technology, camerastitching and black-white-points are constantly monitored and correctedwhile your scanner is running. Vidar scanners are designedto let you concentrate on your work and take optimal scanner performancefor granted.

LATITUDE 50"The three LATITUDE 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.

LATITUDE X050 Wide Format Color Scanner Models		**3050**	**6050**	**8050**
Maximum Resolution (software dependent):	(in dpi)	600	800	2400
Optical Resolution:	(in dpi)	400	400	400
Variable Resolution Setting:	from 50 dpi in one dpi increments	√	√	√
Scanning Speed inch./sec.:	(400 dpi turbo, 24-bit RGB)	1.3"/s	1.7"/s	2.5"/s
	(400 dpi turbo, 8-bit Index)	1.3"/s	1.7"/s	2.5"/s
	(400 dpi turbo B/W)	2.5"/s	2.5"/s	2.5"/s
Media	51.5" (1310 mm.)	√	√	√

Maximum Width:				
Maximum Thickness:	0.6" (15 mm.)	√	√	√
Scan Width:	50" (1270 mm.), **Scan Length:** not limited by scanner	√	√	√
Digital Image Processing:	Dual 2D-Adaptive Enhancement	-	-	HW
	ADL+ Error Diffusion Halftoning	-	-	HW
	2D-Sharpening and 2D-Softening	-	HW	HW
	2D-Blur Filter	HW	HW	HW
	Color Feature Extraction	HW	HW	HW
	2D-Adaptive Thresholding	HW	HW	HW

HW= Image processing feature embedded in hardware for optimal speed.

Scan Modes:	24 bit color	√	√	√
	8 bit Feature extraction / Indexed color	√	√	√
	8 bit Graytone	√	√	√
	Copy modes with grayshades	√	√	√
	1 bit black-and-white	√	√	√
	B/W Dual 2D-Adaptive Modes	√	√	√
Color Adjustment:	3x3 matrix multiplier	√	√	√
	Independent RGB tone curves (Gamma)	√	√	√
	Independent black-and-white point setting	√	√	√
Color Space:	NTSC	√	√	√
	sRGB	√	√	√
3C Maintenance System:	Auto stitching to fraction of pixel	√	√	√
	Basic calibration	√	√	√
	Precision Color calibration	√	√	√
	Auto monitoring and correction (stitching, black-and-white point)	√	√	√
Sensors:	Quadruple tri-linear color CCDs	√	√	√
	21.400 pixels (RGB triplets)	√	√	√
	36 bits of color data capture	√	√	√
	All-Digital cameras	√	√	√
All-Wheel-Drive:	Contour adjustment	√	√	√
	Precision rollers	√	√	√
Light Source:	Color matched fluorescent lamps – Color Rendering Index (CRI) > 95	√	√	√
Optics:	Torsion stabilized for portability	√	√	√
Interface:	Dual Ultrafast SCSI	√	√	√
	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 and tools	√	√	√
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	√	√	√