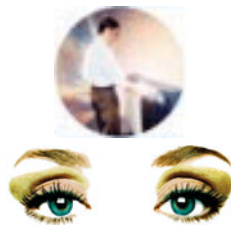


# VIDAR LATITUDE 50

WIDE FORMAT COLOR SCANNERS



## LATITUDE 50" - Model 3050, 6050 and 8050

Vide Format Color Scanners

### 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

### LATITUDE 50"

The Vidar LATITUDE wide-format color scanner family incorporates the latest in imaging technology for high-quality, full color scanning and copying. 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.

 The Image of Reliability.



# LATITUDE 50" – Wide Format Color Scanners

## SCANNING SUPERIORITY

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

## WIDE AND THICK ORIGINALS

The LATITUDE 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 LATITUDE 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 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 LATITUDE's on-board real time color correction and 2D-filters for color sharpening, softening and blur provide superior results with a wide variety of input images. The LATITUDE supports the latest in monochrome scanning technology with Dual 2D-Adaptive enhancement that works simultaneously on foreground, background, edges and other individual aspects of the original so you produce clean, crisp scans even from poor quality drawings. Dual 2D-Adaptive processing is the only pixel level cleanup of its kind in the industry today.

On the LATITUDE 8050, all enhancement processing is embedded in the hardware enabling you to perform powerful image enhancement without overhead and at speeds incomparable to standard software processing.

## COPYING MADE EASY

Connect the LATITUDE 50" scanner with a large-format printer and you get the perfect large format color and monochrome digital copier. With the scanner's high precision of details and colors, users can enlarge 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 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 LATITUDE 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.

## PRECISION COLOR

A new wide format scanner may come calibrated from the factory, but as time goes by, components and lamps will change character and affect color output. With a Vidar scanner, your investment is fully protected and you need not worry about degradation. The unique Precision Color system lets you calibrate in the field at any time ensuring stable and predictable color output. The LATITUDE scanner is calibrated to both sRGB and NTSC color spaces using an ANSI IT8 calibration target. Furthermore, the automatic black-and-white point monitoring allows users to get an optimal dynamic range of color fidelity tailored to the actual scanned original.

## EASY SCANNER MAINTENANCE

The LATITUDE 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 sets black-and-white points on each individual pixel and ensures linearity in both highlight and shadow areas giving noise-free and stable scans at all resolutions. Precision Color calibration completes the 3C maintenance system process.

Once the scanner has been fine-tuned, it performs a number of basic 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:



# LATITUDE 50" – Wide Format Color Scanners

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
<b>Maximum Resolution (Software dependent)</b>	(in dpi)	600	800	2400
<b>Optical Resolution:</b>	(in dpi)	400	400	400
<b>Variable Resolution Setting:</b>	from 50 dpi in one dpi increments	√	√	√
<b>Scanning Speed inch./sec.:</b>	(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
<b>Media Maximum Width:</b>	51.5" (1310 mm.)	√	√	√
<b>Maximum Thickness:</b>	0.6" (15 mm.)	√	√	√
<b>Scan Width:</b>	50" (1270 mm.), Scan Length: not limited by scanner	√	√	√
<b>Digital Image Processing:</b>	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 Extracton	HW	HW	HW
	2D-Adaptive Thresholding	HW	HW	HW
HW= Image processing feature embedded in hardware for optimal speed.				
<b>Scan Modes:</b>	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	√	√	√
<b>Color Adjustment:</b>	3x3 matrix multiplier	√	√	√
	Independent RGB tone curves (Gamma)	√	√	√
	Independent black-and-white point setting	√	√	√
<b>Color Space:</b>	NTSC	√	√	√
	sRGB	√	√	√
<b>3C Maintenance System:</b>	Auto stitching to fraction of pixel	√	√	√
	Basic calibration	√	√	√
	Precision Color calibration	√	√	√
	Auto monitoring and correction (stitching, black-and-white point)	√	√	√
			√	√
<b>Sensors:</b>	Quadruple tri-linear color CCDs	√	√	√
	21,400 pixels (RGB triplets)	√	√	√
	36 bits of color data capture	√	√	√
	All-Digital cameras	√	√	√
			√	√
<b>All-Wheel-Drive:</b>	Contour adjustment	√	√	√
	Precision rollers	√	√	√
<b>Light Source:</b>	Color matched fluorescent lamps – Color Rendering Index (CRI) > 95	√	√	√
<b>Optics:</b>	Torsion stabilized for portability	√	√	√
<b>Interface:</b>	Dual Ultrafast SCSI	√	√	√
	STI (Still Image Interface) support	√	√	√
<b>Dimensions:</b>	61.4" wide x 7.3"high x 18.3"deep (1560 x 185 x 465 mm.), Weight: 65 kg	√	√	√
<b>Power:</b>	110/220/240V, 60/50cs, 180W	√	√	√
<b>Scanner Maintenance Kit (Included):</b>	Maintenance software, Maintenance sheet	√	√	√
<b>Interface board (Included)</b>		√	√	√
<b>Copy Kit (Optional):</b>	Mount for PC and touchscreen (floor stand required)	√	√	√
<b>Floor Stand (Optional):</b>	Includes document basket	√	√	√
<b>Thick Media Support Table (Optional):</b>	Floor stand required	√	√	√
<b>Host Platforms:</b>	Windows 98, 98SE, ME, NT4, 2000, XP, Power Macintosh	√	√	√

Distributor:

Dealer:

