SELECT 40" - MODEL BASE AND PLUS
Wide Format Monochrome Scanners

SCANNING

• Ultra fast monochrome scanner with added color capabilities
• Crisp, clear black-and-white
• 14 bit graytone capture for perfect reproduction of grayshades
• 42 bit color capture for photo-realistic vivid colors
• All-Wheel-Drive with contour adjustment
• Thick originals – up to 0.6"
• 3C Automatic Maintenance System
• Flexible connectivity - FireWire Plug 'n' Play and SCSI

COPYING

• Advanced options for printing of grayshades
• Color matching to printer & media
• Built-in Basic calibration – black-and-white points
• Built-in Precision Color calibration

SELECT 40"

The Vidar SELECT 40" scanners are designed to give professionals the best in very high speed monochrome scanning with the additional option of quality color scanning for special jobs.
The scanner's 40" imaging area handles large E-size/A0 engineering drawings, architectural sketches, blueprints, sepias, detailed maps, drawings and large color posters.
With highly fast and effective monochrome scanning and the option to scan in perfect color, these devices offer a cost-effective solution for CAD, AEC and GIS professionals worldwide.

SELECT 40" – Wide Format Monochrome Scanners

Scanning Superiority

This professional scanner meets all your wide-format scanning needs with high-quality grayscale, crisp, clear black-and-white and photorealistic colors.
The SELECT 40" sets new standards for wide-format scanning speeds, scanning a full E-size (A0) drawing at 400 dpi turbo in only 6 seconds.
An image depends on its many graytones to bring out details and give it depth. On the SELECT 40", graytones are captured at 14 bits for maximum precision, passing the best 8 bits of graytone data to the computer. For color scanning, perfect color fidelity is ensured by capturing 42 bits of color data and passing the best 24 bits to the computer.
The SELECT 40" uses All-Digital cameras with advanced point-of-origin capture and on-board digital conversion ensuring minimum noise and an extended dynamic range. The scanner's unique four-linear CCD technology, with a special panchromatic line, ensures that no colors are lost when scanning monochrome. Quality color matched fluorescent lamps ensure the market's highest standards for color correctness.
The SELECT 40" scanner can scan up to 0.6-inch (15mm.) thick originals such as drawings, maps and posters mounted on foamboards, gatorboards etc.

One Touch Scanning

The SELECT 40" scanner's operator's panel is designed with convenient programmable action buttons for initiating common tasks directly from the scanner.

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 40" scanner's on-board real time 2D-filters for sharpening, softening and blur provide superior results with a wide variety of input images. The SELECT 40" 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.
All 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 SELECT 40" 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, graytones and colors, users can enlarge their creations to full display sizes without losing quality.
Dual 2D-Adaptive enhancement and ADL+ error diffusion halftoning produce reliable copies of drawings and photos in which even subtle differences between shades of gray are maintained in the printed output.

Flexible Connectivity

The SELECT 40" scanner lets you fit the connection to your immediate needs by offering two interface options - the highly efficient and convenient Plug and Play (PnP) FireWire connection and the industry standard SCSI interface. With the FireWire interface you can get your scanner running with plug-and-play ease while achieving optimal scanning speed. FireWire can accommodate 400 megabits per second, which is highly effective for high volume scanning of large formats. The standard SCSI connection can be used for computers without FireWire support.
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 stabile and predictable color output. The SELECT 40" 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.

Automatic Scanner Maintenance

The SELECT 40" scanner incorporates the 3C Auto-Maintenance system that keeps your cameras perfectly aligned, adjusted and calibrated for optimal image quality. The process is automatic - just insert the maintenance sheet and click the wizard's start button.

The 3C Auto-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 Auto-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.

Advanced Power Management

Running with the right internal temperature is of utmost importance when doing high-quality scanning through sensitive CCDs. The SELECT 40" scanner has Advanced Power Management that rapidly brings the scanner to its optimal working temperature, after which the temperature is monitored and held at a minimum level ensuring low CCD noise. The Advanced Power Management system also lets users leave the scanner in low-power mode and program it to power up automatically before they arrive at work so the scanner is ready to scan right away.