

ACS 4600 - MODEL BASE AND PLUS

aperture card Scanners

SCANNING and copying

- Perfect reproduction of grayshades
- Crisp, clear black-and-white
- Automatic size detection and filenames through Hollerith code
- 2D-Adaptive Thresholding
- Flexible connectivity - USB and FireWire
- 3C Automatic Maintenance System
- Built-in Basic calibration – black-and-white points

SELECT MP 36"

The Vidar ACS 4600 Aperture Card Scanners are monochrome scanners for microfilm mounted on aperture cards. They are cost effective solutions for fast, high volume scanning and workstation engineering. The Aperture Card Scanners support automatic scanning features such as a built-in automatic card feeder and a separate bin for sorting out and collecting rejected cards.

The ACS 4600 Aperture Card Scanners are fast and reliable devices that reproduce images in high quality grayscale and crisp, clear black and white. The ACS scanners support the latest in monochrome image enhancement techniques enabling users to get the highest quality possible out of drawings archived on microfilm.

ACS 4600 – Aperture Card Scanners

Scanning Superiority

The ACS scanners automatically digitize drawings from E-Size/A0 to A-size/A4 stored on aperture cards, and oversizes up to 59"x44", with reduction ratios from 37x to 7.5x. The punched Hollerith code in the cards can be used for automatic drawing size selection and file naming. Put up to 100 cards in the automatic card feeder for batch processing based on Hollerith code. Cards processed successfully go to the Output Bin while cards containing unreadable code will be sorted to the Reject Bin so you can easily find them for reprocessing. Graytones are captured at 12 bit for maximum precision passing the best 8 bits to the computer. The All-Digital camera with advanced point of origin image capture and on-board digital conversion ensures minimum noise and extended dynamic range. You select the right resolution as measured on the unreduced document to match your requirements and storage capabilities. The scanners create raster files in formats compatible with virtually all third party software.

The ACS scanners are very fast, scanning up to 300 cards/hour, depending on the size of the unreduced document on the card. A typical D-size/A1 CAD drawing directly to RLC format takes 20 seconds at 200 dpi on the ACS 4600 BASE and only 7 seconds on the ACS 4600 PLUS.

Image Enhancement Power

The ACS 4600's on-board real time 2D-filters for sharpening, softening and blur provide superior results with a wide variety of input images. The ACS 4600 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.

Flexible Connectivity

The ACS 4600 Aperture Card scanners let you fit the connection to your immediate needs by offering two interface options – the efficient FireWire connection and the standard USB connection. Both connection types are Plug and Play (PnP), enabling you to get your scanner running with ease and share the scanner with other users and computers without installing extra hardware.

Vidar scanners protect your investment with support for STI (Still Image Interface) ensuring problem-free compatibility with current and future versions of Windows.

Automatic Scanner Maintenance

The ACS 4600 scanners incorporate the 3C Auto-Maintenance system that keeps your scanner's camera perfectly calibrated for optimal image quality. The process is fully automatic and controlled by the scanner maintenance software.

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. 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, the camera's 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.

Copying Made Easy

Connect the ACS 4600 Aperture Card scanner with a large-format printer and you get the perfect large format monochrome digital copier for reproducing hard copy drawings from microfilm. With the scanner's high precision of details and graytones, users can enlarge their creations to full display sizes without losing quality.

Getting the right settings for your copy job is easy. 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.

The ACS 4600 is the perfect input device for copying of complex drawings and maps off microfilm mounted on Hollerith cards in only a few minutes with fully adjustable graytone parameters. Sizes and other information connected to a drawing can be automatically read off the card's Hollerith code as you scan, making the ACS 4600 a highly effective tool for digitizing large archives of images on microfilm.