ScannerVision™ 3
Advanced Module Descriptions

newdynamicsoftware

Advanced Bi-tonal Compression

Designed to build vast digital archives

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At a glance

ScannerVision's ABC module implements an advanced, loss-less compression algorithm to achieve superior compression ratios versus the most popular current methods.

ABC technology is also available from the Desktop Client Boost, drastically reducing transfer times from the client to the server
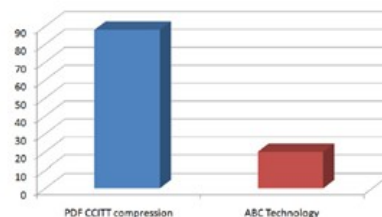
The Technology

The ScannerVision™ Advanced Bi-tonal Compression module is a collection of advanced compression algorithms which out perform all industry standard compression methods. ABC technology enables users to achieve f le sizes which are 4 to 5 times smaller than the f les sizes generated by standard 1-bit compression types, such as CCITT Group 4.

The proprietary compression format is automatically detected and decompressed by ScannerVision™, so your digital archive can be reconverted to another format at any time.

The Application

The ABC module can be utilised when there is a requirement to archive large amounts of data as eff ciently as possible. Storage requirements are lessened by the superior compression ratios achieved. The module can also be deployed to increase the transmission speed of documents to their f nal destination, useful when f les have to travel large distances over wide area networks.

ABC technology is also built into our Desktop Client Boost pack, greatly enhancing the transfer speed of captured data to the server.

Average f le sizes in KB for test A4, 1-bit scanned document

Barcode Annotation

Tag documents with information in barcode format

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At a glance

ScannerVision's Barcode Annotation module enables users to place one of nearly 40 different types of barcode on the documents they scan.

Multiple barcodes can be written to the same document and the contents of any metadata library tag can be used as the value.

Writing barcodes to scanned documents is especially of use to track documents which are sent out of the building to other departments or organisations.

The Technology

ScannerVision™ supports the recognition of many types of barcode printed onto scanned documents, and the Barcode Annotation module takes this a step further by enabling users to write barcodes back onto documents as they are scanned and processed through the system.

Nearly 40 different types of barcode can be utilised when annotating documents, using information such as customer details, invoice numbers and product codes. In fact any item of information stored in ScannerVision's metadata library can be used to help track your documents after scanning.

The Application

The Barcode Annotation module is often used to write barcodes onto documents for the purposes of tracking and automated identif cation. For those documents which may be distributed and later reprinted, adding a barcode is an easy way of encoding information which can be automatically read and processed later on by another system, or even ScannerVision™ itself.

Customer details, product information, departmental codes; anything can be encoded onto a scanned document ensuring that when it does reach its f nal destination it can be processed automatically.

Document barcodes can assist in tracking

Optical Mark Recognition

Automatically process forms and document marks

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At a glance

ScannerVision's OMR module makes light work of capturing and processing forms-based data.

Able to read marks inside user defned zones, this module can help build automated workfows for directing examination papers, voting forms, surveys, and much, much more.

The Technology

Optical Mark Recognition is the process by which areas of a document are analysed to determine whether or not they contain a mark. These marks can be computer generated, or generated by hand.

From the workfow template, areas (or zones) of a document are specifed for ScannerVision™ to analyse. If a specifc zone contains a mark, the value in the metadata library will refect this, enabling the user to direct the document through a specifc workfow or to the correct destination.

The Application

The OMR module is typically used where the automatic analysis and routed of forms is required. Documents such as examination papers, voting forms, and surveys can be captured and the selected choices automatically read from zones on the page.

Depending on the value for these choices, documents may be routed to different destinations or even other workfows for further processing. The module can also be used to validate documents leaving an organisation, for example to check that contract and letters have been signed, or forms have been fully completed.

Defning a zone for the OMR module

Zone Recognition

Extract just the information you need

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At a glance

ScannerVision's ZOCR module enables the automatic capture of data from specif c zones on the document.

Invoice numbers, customer codes, addresses; all can be def ned and captured independently and used to f le the document or route to a special workf ow.

Zone OCR technology is also available from the Desktop Client Automate, to assist in high-speed document indexing.

The Technology

Full-page Optical Character Recognition with a large number of documents can be a time-intensive process. The Zone OCR module provides the technology to analyse and extract data from just specif c areas of a document, increasing performance and throughput whilst ensuring programmatic access to just the information you require.

From the workf ow template, areas (or zones) of a document are specif ed for ScannerVision™ to analyse. During the capture process data in the def ned zones is converted to text and made available via the metadata library for distribution, notif cation and f ling purposes.

The Application

The ZOCR module is normally used when specif c information needs to be captured and extracted from just an area of the document. Information such as invoice numbers, codes and addresses can be automatically extracted from an area on the document and this information can be used to f le the document in the correct location, or distribute the document automatically.

Zone OCR technology is also built into our Desktop Client Automate edition, providing on-demand zonal analysis to assist with document indexing.

Def ning a zone for analysis with ZOCR

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