



the standard for
imaging tools

Competitive businesses are moving rapidly toward the use of digital documents and automated content management systems to drive their business processes. To stay competitive, organizations must capture the content that feeds those systems and fuels those processes with more speed, accuracy and flexibility than ever before—which means more powerful scanners with more powerful drivers.

And developers are finding that, when it comes to scanner drivers, there is none more powerful than ISIS, the industry standard, enterprise-level interface that unites a universe of scanners and applications, supporting every feature of leading document scanners. Today's scanners are increasingly complex and powerful and loaded with functions that not all TWAIN drivers are equipped to handle.

Only ISIS drivers consistently enable you to take full advantage of the built-in power of your scanner, running at its rated speed and making the most of every feature. And only ISIS won The Association for Information and Image Management's (AIIM) first "Standard Implementation Excellence" award.



MORE CONTROL, MORE FLEXIBILITY, MORE SUPPORT

ISIS allows much more programmatic control than does TWAIN. It gives the software developer more control over scanner features such as display, file writing and printing, to name only a few. These are among many functions that TWAIN doesn't allow you to impact at all.

See comparison chart on back.

ISIS vs. TWAIN

With TWAIN, functionality differs from device to device. You could test your application and get it working great with one particular device, but if you introduce a different scanner with a different TWAIN driver, the interaction between application and scanner can be very different. With ISIS, there is far less testing required due to its inherent ability to communicate flawlessly with nearly 300 different scanners in a consistent way. Your application will be more reliable, and you'll be able to get it up and running faster.

And the support you get from Pixel Translations, creators of the ISIS API, is second to none. We develop virtually every ISIS driver on the market, and support each certified driver fully and personally via live representatives on dedicated phone lines and a website. TWAIN support relies on email communication through the TWAIN mail list. To support TWAIN you must create multiple relationships with multiple vendors. With ISIS you need only one contact, Pixel Translations.

THE ORIGINS OF ISIS AND TWAIN

The differences in the two APIs start at the beginning. TWAIN was originally developed by a committee of interested parties for use at a desktop level, supporting whatever simple scanning application was provided with the scanner. As scanners and imaging applications have grown more complex and incorporated more functionality, TWAIN development has rarely kept pace with them.

ISIS, on the other hand, was originally developed for use at a production level, and is maintained by a single commercial entity, Pixel Translations. As user requirements expand and as new, more complex scanners are introduced into an information system, ISIS is already there, usually developed in parallel with the hardware development and often provided in the box with the scanner.

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BENEFITS

Below, you will find more compelling reasons why today's imaging environment simply requires using ISIS over TWAIN. For flexibility, programmability and compatibility with nearly 300 scanners, there is no choice but ISIS.

Attribute	ISIS	TWAIN	Benefit
Driver Interface	Consistent from scanner to scanner	Varies from scanner to scanner	ISIS users need not learn interface of every scanner
Scanner Features	Fully supports every feature of every scanner	Not all TWAIN drivers fully support every feature of every scanner	With ISIS, every scanner feature is supported no matter what scanner is being used
Speed	Always scans at rated speed of scanner	Doesn't always scan at rated speed	ISIS allows you to take full advantage of the power built in to your scanner
Application Interaction	ISIS applications interact with all ISIS scanners in a consistent way, and vice versa.	Interaction is not consistent across all scanners; a new scanner may interact differently with an application	ISIS is readily compatible; less testing is required, which lowers development costs
Display Images	YES	NO	TWAIN only does scanning whereas ISIS supports image display; if you scan with TWAIN and you need image display, you must write it yourself or license it from someone else
Rotate Images	YES	NO	ISIS allows an application to scan in landscape orientation and rotate in real-time to portrait to increase pages per minute
Consistently Write to Popular File Formats (JPEG, TIF, PCX, BMP, etc.)	YES	NO	ISIS conforms to your needs and existing file formats; TWAIN drivers depend on the individual drivers
Scanner Interaction	ISIS driver intelligently queries scanner as to capabilities, relays only appropriate choices to application GUI	TWAIN driver often does not interact with application GUI	Simplifies scanner setup; allows control of scanner from within application
Compress to JPEG 2000 and Other Formats	YES	NO	Images scanned using ISIS may be easily compressed, saving valuable storage space and speeding transfer times
Read Image Files from Disk, Website or Database	YES	NO	ISIS enables you to create a centralized input management solution that can collect information in varied formats and from varied mediums
Read and Write Multipage Image Files	YES	NO	More often than not, scanned documents are <i>not</i> standalone and contain more than one image on more than one page; ISIS allows you to streamline the processing of this input by not forcing you to treat every page as a separate document

Call 408-325-3800 or visit www.scannerdrivers.com or www.pixtran.com to purchase or learn more about the ISIS driver.

PIXEL

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