

# Accelerate Your Scanning. Visioneer® DriverPLUS.

*A case for the need of advanced TWAIN drivers to communicate with sophisticated applications.*



**TWAIN™.** With humble beginnings as a simple photo scanning solution, TWAIN has now become not only the industry standard for communication between software applications and imaging devices, but a flexible, feature-rich tool to optimize image capture.

Before the development of TWAIN in 1992, software application developers were required to write their own driver for each device they needed to support, but having a high number of proprietary interfaces was not the ultimate solution. TWAIN emerged to provide a basic, consistent, easy integration of image data between input devices and software applications.

In this document, we examine the importance of advanced driver technology for the consumer and system integrator alike. **Visioneer DriverPLUS** provides users with advanced features, reliability and a friendly, new user interface. System integrators now have a powerful, completely programmatic driver that offers global administrative settings that can adjust how the driver interacts with users and a wide-range of scanning applications.

**Advanced features and greater reliability.** In 2011, the TWAIN Working

Group created a certification process to ensure that all drivers are held to the highest standard of compatibility. Visioneer's engineering team worked tirelessly to insure our drivers met these standards across our entire product line. Visioneer is committed to this program and our new drivers, certified for TWAIN version 2.2, are just the beginning; we are already looking at implementing additional improvements that we believe will raise the bar on TWAIN driver performance in our industry for both users and system integrators.

**Visioneer DriverPLUS** is a new generation of driver technology for Visioneer and Xerox® DocuMate® scanners. Based on the most current TWAIN 2.2 specifications, Visioneer DriverPLUS combines the features of advanced 32- and 64-bit native Windows®-based TWAIN and WIA drivers PLUS much more:

- **Windows Device Stage.** Windows 7 introduced a new way to interact with your scanner from the Windows desktop called Device Stage. Now also a feature of Windows 8, Device Stage displays applications, services, and information related to your scanner. When a scanner that supports Device Stage is plugged in, an icon of the actual device appears in the Devices and Printers section of the Control Panel. To quickly access all that is offered through Device Stage for that specific device, you can double click on the scanner icon to see the following options:
  - Initiate a quick scan from the driver to a file on you PC without using any



other scanning software.

- Access the scanners help file for assistance working with the driver.
  - Register the product.
  - Access the hardware properties window.
  - Link to the scanner model support page on the Visioneer or Xerox scanners website.
- **Advanced Programmatic Interface (API).** We want our customers to get the most out of DriverPLUS, which is why we offer an advanced programmatic interface. Our API allows third-party software companies the ability to have more direct and precise control of the scanner through our TWAIN layer without actually having to use our driver user interface.
    - Programmers have the opportunity to seamlessly integrate document scanning with their software or other proprietary applications.
    - System integrators can tightly control the user experience, accessibility and usability of our scanners.
    - Our commitment to system integrators: If a feature is accessible by the user from our Driver user interface, it can be accessed by a system integrator programmatically through the TWAIN API when our user interface is suppressed.

## Visioneer® DriverPLUS —

*A superior experience for both users and system integrators.*

- **Robust Image Processing Plug-In.** DriverPLUS was built to support the addition of new software image processing and meta-data features. Currently DriverPLUS supports the full feature set of Visioneer Acuity Image Processing software. Just a few of the advanced image processing features included are:
  - Automatic and fixed page rotation
  - Automatic cropping
  - Skew Removal
  - Edge Clean-Up
- **Helpful User Interface.** The new DriverPLUS user interface (UI) offers the ability to create, store, export and import multiple preset scan settings easily. It also includes a Settings Summary with hyper-links to simplify navigating the UI so changes can be made quickly. The user can also define which preset to use as their default. DriverPLUS allows users to command each scanning source separately so that flatbed scanning can be configured separately from ADF scanning. In addition when daisy-chaining a flatbed scanner, such as the Xerox® DocuMate® 4700 with an ADF scanner, the driver cleanly and automatically adds support for the ADF by enabling another source with its own set of features – all from the same UI.
- **Advanced Driver Settings.** DriverPLUS allows administrators to define the behavior of the driver so that custom workflows are not hampered by unwanted driver behaviors. Some of the features that DriverPLUS allows administrators to modify are:
  - Locking the user-interface so that users can't make adjustments
  - Choosing to hide the user-interface entirely when scanning
  - Configuring the scanner's ADF to automatically scan when paper is detected
  - Selecting to have the user-interface automatically close when the ADF empties
  - Setting the global default settings for the driver
- **Enhanced WIA Driver.** We've designed our WIA driver to take full advantage of our Acuity Image Processing software as well as implementing the sleek DriverPLUS user-interface. The days of feature-poor, water-downed scanning with WIA applications are gone when you use DriverPLUS.
- **Black/White Level adjustments.** This feature allow users to set thresholds or end points for rendering near-black areas as true black and near-white areas as true white. This feature is important for reproducing color or grayscale originals and will improve print output quality.
- **Moiré Removal.** Moiré patterns occur when scanning a high-resolution image from printed matter like a book or magazine. It appears as a striped texture or a rippled effect on top of the image, and is the result the differing halftone line-screen angles of the printed image that don't match the resolution angles of the scanner. DriverPLUS will automatically reduce or remove the moiré interference patterns producing final images that are a more visually pleasing recreation of the original.

### The complete list of features in Visioneer DriverPLUS:

- New 32- and 64-bit native TWAIN driver
- Windows® 8 certified
- TWAIN certified
- Flexible global driver settings
- Plug-In support for Acuity Image Processing software and future expansion
- Scanner usage tracking
- New and powerful GUI
- 2.2 TWAIN programmatic interface
- Industry's most robust WIA driver
- Silent deployment options for administrators
- Visioneer Acuity integration for TWAIN and WIA
- Windows Device Stage integration
- Web-based firmware updates
- Visioneer OneTouch v. 4.6.4 and above compatibility

“ We have raised the bar in scanner drivers and we are very excited to introduce our customers to this new experience in scanning technology. ”

— Jon Harju, Visioneer CTO and architect of DriverPLUS.

For more information on Visioneer and Xerox® document scanner solutions please call one of our solutions advisors at **925-251-6399 - Opt. 3**

**DriverPLUS** will be included with all future Visioneer and Xerox products and is available for nearly all currently shipping models. To check availability or to download TWAIN DriverPLUS for your scanner visit the **Visioneer** and **Xerox** Scanners websites (verification of system requirements is required).