



System Solutions

Data Collection Tools To Meet Your Evolving Needs

YOU CAN TRUST OUR FAMILY OF HIGH ACCURACY DATA COLLECTION TOOLS WITH UNIQUE OMR AND IMAGE CAPTURE FEATURES TO STREAMLINE YOUR CURRENT PROCESSES, AND PROVIDE YOU WITH A SPRINGBOARD TO TAKE ADVANTAGE OF EMERGING TECHNOLOGIES.

Expand your options – with OMR plus image capture processing

iNSIGHT 4 offers you all the robust capabilities of optical mark recognition (OMR) technology—plus a wealth of expanded functions through image capturing. This dynamic scanner, in combination with ScanTools™ Plus software, will help meet more of your data collection needs today—and prepare you to take advantage of upcoming developments in image capture technology.

Easy to operate

iNSIGHT 4 supplies a number of user-friendly features:

- Forty-character, alphanumeric operator messages that simplify operation.
- An open feed path that permits sheet visibility at all times as well as easy access for sheet removal and transport cleaning.
- Scanner self-diagnostics that quickly pinpoint any operation problem.
- Fixed, automatic feed hopper that holds 100 sheets and helps eliminate continual form reloading and constant operator attention.
- Plug-and-play compatibility with any previous software applications developed for OpScan® 2/3/4/4XP/4U scanners.

Eliminate extra steps

iNSIGHT 4 is designed to lighten your workload, enabling you to:

- Easily process tests and surveys that incorporate a variety of response formats, including OMR bubbles, checkboxes, and essay answers—all with a single pass through the scanner.
- Readily share documents online with colleagues—such as tests to be graded by a group of teachers. This powerful feature eliminates the cumbersome task of photocopying, distributing, and collecting paper copies.
- Create electronic archives for a paperless “paper trail”—a convenient and reliable alternative to paper records that can degrade over time.
- Simplify the process for users in providing demographic information—with intelligent character recognition (ICR) technology that converts hand-print to electronic text.

Providing multiple data collection capabilities

Combining OMR and image capture technology, iNSIGHT 4 scanners:

- Read traditional OMR “bubble” marks.
- Capture image clips of text areas or text boxes, such as essay responses on a test or comment fields on a survey.
- Capture images of full pages.
- Capture and convert written information into digital information with ICR technology—such as name, address, and identification number.
- Read both pen and pencil forms.
- Read checkbox responses, X box responses, and bar codes.

Fast and Reliable

The iNSIGHT 4 provides:

- Form throughput rate of up to 2,200 sheets per hour.
- Digital read head technology that helps prevent undetected degradation of read head accuracy.
- A scanner alert when elements such as paper dust and erasure bits that could affect read accuracy begin to build up.
- A sheet thickness detector that helps guarantee the scanner reads only one sheet at a time.
- Sheet skew detection that helps ensure proper registration while scanning.

Technical Specifications

Physical Description	Length: 21.25” Width: 14.5” Height: 9” Weight: 17 lbs.
Environment	Operating Temperature: 60° to 85°F (16°C to 29°C) Humidity: 40% to 60%, non-condensating
Power	100-240 volt operation: 100-240 volts AC (-10%, +6%): 47-63 Hz; US 3-prong plug; 15 amp dedicated circuit
Communications	USB: Version 2.0 is required Asynchronous: RS232 for OMR mode using user-defined protocol OMR Only Communication speed: from 1,200-38,400 baud
Operation	Read Heads: 200 dots per inch (dpi) resolution, up to 256 levels of grayscale per pixel; pencil and ink read capabilities Forms: 2.5” x 5” to 9” x 14” (60-100 lb. Offset). Uses both Mark Reflex® and Trans-Optic® forms Pencil or ink forms may be used Feeder Capacity: Auto-feed, 100 sheets Output Stacker Capacity: 100 sheets main stacker, 100 sheets select stacker (if present) Message Display: 40 character, alphanumeric Scanning Rate: 2,200 sheets per hour (Actual scanning rate depends on quantity of data read from the form and the amount of processing done on the data while scanning). Multi-feed detection
Options	Dual side read head for two-sided form scanning Select stacker separates forms that fail edit checks A programmable interactive printer that prints information on the sheet being scanned—based on the scanned data, such as error codes, alphanumeric messages, serial numbers, validation flags, and test scores—with no effect on the throughput rate. Bar code reader delivers application information SelfScore® module for classroom test scoring and surveys
Power	100-240 volt operation: 100-240 volts AC (-10%, +6%): 47-63 Hz; US 3-prong plug; 15 amp dedicated circuit



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