

VISIONSCAPE® I-PAK®



Multi-Camera Inspection System

Visionscape I-PAK Software is a proven inspection solution chosen by major manufacturers worldwide. Combining powerful machine vision tools with a simple user interface, I-PAK meets demanding industry requirements for reliable and accurate inspection of labels and product assemblies. Typical applications include barcode and OCR, print quality verification, color matching and inspection, defect detection, date/lot code verification, component ID verification, and a variety of other package, label, or product inspections.

Visionscape I-PAK: At a Glance

- Multi-camera visualization on a single screen
- Troubleshooting tools to identify problems and reduce downtime
 - Image failure queue with time and date stamps
 - Detailed per-camera failure reports
- Controlled system access based on user ID and password
- Support for color vision tools
- Verifies symbol readability immediately after printing
- Text reading and verification with OCR and OCV
- Optional 21 CFR Part 11 compliance for FDA-regulated industries



I-PAK VH: I-PAK user interface and support for up to four Vision HAWK Smart Cameras in standard or C-Mount models with fully integrated autofocus and color functionality.

For more information about this product, visit www.microscan.com.

Supported Symbolologies

| | | | | |
|-----------------|-------------------------------|----------------|---|--------|
| Linear Symbols | All Standard | 2D Symbols | Data Matrix | QR |
| Stacked Symbols | PDF417 GS1 DataBar | Human Readable | User-defined and user-trainable OCR and OCV | |

Minimum PC Requirements

- CPU: Intel ATOM D2550 1.86 GHz Dual Core or greater
- RAM: 4 GB or greater
- One USB port minimum
- Two 100BASE-T network connections
- Screen Resolution: 1024 x 768
- Hard Drive: 250 GB or greater
- Windows 7 Professional 32-Bit, SP1 (64-Bit recommended)
- 4.0 Windows Experience Index
- RS-232 Port 1 for input of Match String characters and output of end-of-batch runtime statistics
- RS-232 Port 2 for optional uninterruptible power supply
- CD R/W recommended

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Powerful Capabilities

I-PAK's full suite of machine vision tools allow manufacturers quick and easy system setup for high-mix production lines. Supervisors can change lot numbers without exiting the runtime screen, save specific settings for numerous inspection jobs, minimize downtime with diagnostic capabilities that quickly pinpoint failures for each inspection point, and scale manufacturing processes.

Fail-Safe Identification

I-PAK identifies incorrect characters while tolerating normal print variation. OCV algorithms adapt to changes in preprinted or overprinted symbols to reduce false rejects.

FDA Compliance

I-PAK enables manufacturers to comply with FDA's current Good Manufacturing Practices and meets the requirements of 21 CFR Part 11 through optional user access control features and audit trail capabilities.

Application Examples

- Assembly verification (automotive, medical devices, packaging)
- Print quality inspection (pharmaceutical, packaging)
- Package quality inspection (food and beverage)
- Component presence/absence checking (electronics, machine building)
- Part identification (automotive, electronics, packaging)

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