



Ready for Serialization

The GS1™ (Global Healthcare User Group) “strongly recommends investing in camera-based” systems for automatic identification. But as healthcare product manufacturers preparing for the coming global traceability standards already know, a successful transition to mass serialization of product packaging involves more than simply reading a barcode on a label; all of the data on the label must be verified for accuracy.

In-Sight® Track & Trace™ is up to the challenge.

Complete Identification and Data Verification Solution

In-Sight Track & Trace works with networked In-Sight vision systems to create a complete identification and data verification solution for serialized labels on pharmaceutical and medical device packaging. Whether you’re looking for a standalone label inspection system, in the early stages of planning your traceability initiative, or you have active serialization projects, In-Sight Track & Trace can meet your needs today and equip you for tomorrow’s requirements.

- Reads 2D and 1D barcodes, including Data Matrix, GS1-128, GS1 DataBar and Pharmacode
- Verifies correct ID code contents, including compliance with the GS1 Healthcare data standard
- Assesses Data Matrix code quality at runtime to detect print degradation
- Verifies the accuracy of printed text
- Detects label misalignment and skew
- Provides a standard operator interface across enterprise

In-Sight Track & Trace is compatible with most In-Sight Micro and 5000 Series vision systems, allowing you to match the resolution and processing speed to the demands of your line. With dozens of models available, there’s an In-Sight vision system to meet the price/performance requirements of any serialization application.

In-Sight Track & Trace provides a new approach to traceability that’s less expensive to install, less complex to validate, and less costly to maintain. Because it can be combined with a variety of third party products, pharmaceutical manufacturers have the flexibility to customize and scale their serialization solutions to best suit their budgets and needs.

Ready for 21 CFR Part 11 Validation

In-Sight Track & Trace provides the technical controls needed for FDA 21 CFR Part 11 validation, including secure user authentication and support for automatic audit trail generation. Multi-level permissions can be configured to limit users’ access to only the controls for which they are authorized. Plus, the compact, all-in-one In-Sight “smart camera” systems are easier to maintain and validate for Part 11 compliance than most Microsoft Windows® PC-based vision systems.

Easy to Integrate, Easy to Use

A touch screen friendly user interface makes In-Sight Track & Trace easy to configure and operate. Developers can integrate the In-Sight Track & Trace interface into a PC-based HMI or custom application using the included Cognex® HMI Display Control for .NET. For a ready-to-deploy solution, In-Sight Track & Trace can also be controlled using the Cognex VisionView® 700 Operator Interface panel or VisionView PC software.



The In-Sight Track & Trace user interface is easily integrated into PC-based HMIs and custom applications using the Cognex HMI Display Control for .NET.

Specifications

IN-SIGHT TRACK & TRACE

ID CODE READING

Read one or two ID codes per label, including Data Matrix, Pharmacode, GS1-128, ITF-14 (Interleaved 2 of 5), Code 39, UPC/EAN, GS1 DataBar (RSS), QR Code

ID CODE GRADING

Assess Data Matrix code quality using ISO 15415/16022 and AIM standards

ID CODE DATA VERIFICATION

Match data in ID codes to expected values

Verify data compliance to GS1 Healthcare standard

OPTICAL CHARACTER VERIFICATION (OCV)

Verify up to six lines of printed text

Fixture position of OCV lines using ID code or user-trained pattern (requires In-Sight system with pattern matching tools enabled)

Match printed text to data in ID codes

Supports up to four user-trainable fonts per label

LABEL ALIGNMENT INSPECTION

Checks for correct horizontal/vertical label alignment and orientation

FDA 21 CFR PART 11 VALIDATION SUPPORT

Password protected user authentication and multi-level user permissions

Time stamped audit trail messages generated automatically for all user logins, system events and changes to setup parameters

Audit messages in XML format, for conversion to compliance database or log file

Idle timeout automatically logs out after period of inactivity

I/O AND COMMUNICATIONS

TCP/IP data exchange with MES and other software systems

PLC data exchange using EIP, PROFINET, TCP/Modbus

Input text string contains user-configurable batch information

Output text string contains user-configurable inspection results

Discrete outputs signal for up to 10 pass/fail conditions (requires CIO-1400 or CIO-Micro I/O Module, available separately)

COMPATIBILITY

In-Sight 5000 Series vision systems (32MB or higher): 5100, 5110, 5400, 5401, 5403, 5410, 5413, 5600, 5610, 5613

In-Sight Micro Series vision systems: 1100, 1110, 1400, 1410, 1403, 1413

In-Sight Explorer and firmware version 4.3.4

PC with minimum 1GB RAM and Microsoft Windows XP SP3 (32-bit edition)

Cognex HMI Display Control in a custom application, VisionView 700 operator interface panel, or VisionView PC software

PRODUCT CONTENTS

In-Sight Track & Trace single unit job file

Cognex HMI Display Control for .NET, including sample application, source code and API reference documentation

Cognex Audit Message Server, including sample code

In-Sight Track & Trace User Manual and sample images

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COGNEX

Companies around the world rely on Cognex vision to optimize quality and drive down costs.

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