Build Release Note

VeriSecure Inspection System

Document Information

S.N.	Name of Document	Date	Author	Reviewer	Approval
1	Build Release Note	20st March 2025	Jainam shah	Riddhi Thaker	Prakash S. Mahar

1. Introduction

VeriSecure Inspection System is a high resolution color camera based inspection solution for inspection of different codes like 1D, 2D, Pharmacode and OCR.

System is designed to provide the controlled signal to accept and reject the specific cartons/ object. VeriSecure Inspection System can be installed on carton packing machine and conveyer.

VeriSecure Inspection System having individual camera outputs features which can be integrated to machine PLC logic for rejection controlling mechanism.

It has capability to generate Production report and Audit trails and has centralized User management module.

2. Build release note details

1	Name of the project	VeriSecure Inspection System
a	**Version Number**	**5.2.0.45**
2.	**Supporting Software**	NI LabVIEW 2020 Runtime MySql-8.0.13 MySql-connector-odbc-8.0 SQLyog 13.1.6 Adobe Reader X Note: All software used are of 64-bit
3	**Hardware Supported**	
a	Camera	2.3MP camera
b	Illumination	Diffused and polarized illumination
4	**Camera Lens**	6 mm/ 9mm/ 12 mm/ 16 mm * Depending on application
5	**Processing Platform**	
a	VeriSecure Inspection System	Intel i5 with 4GB/8GB RAM
b	Operating System	Window 10 iOT

6	Developers	Prakash Singh Mahar, Riddhi Thaker, Jainam Shah, Abhilasha
7	Number of camera Supported	1
8	Number of output signals	1 Tracks
9	Standard FOV for inspection	60 mm x 40 mm
10	**Speed:**	
a	Number of flashes per minute	Up to 15 strobes per minute*
11	21 CFR Part 11 Compliance	YES
12	**Rejection Type Supported**	
a	PLC Rejection	YES
13	**Vision I/O Card**	
a	I/O Card Version	KV_IO_008_V1
b	Firmware Version	P&I_U_2CAM_1.1.0.10
14	**Interlock Option available**	Yes
15	**Product Supported**	
a	Carton	Yes
b	Leaflets	Yes

3. Defects Detection Capabilities:

	Defect types	Detection Capability
a	Missing codes[1D/2D/Pharmacode]	Yes
b	Different Codes[1D/2D/Pharmacode]	Yes
c	Character missing [OCR]	Yes
d	Line Missing [OCR]	Yes
e	Logo/Pattern	Yes

4. New Features:

Sr. No.	Description	Module
1	Manager role require Admin user should active/inactive same & lower level user.	User management
2	Tower lamp integration New alarm added -Power Failure -Motor Overloading	Hardware
3	Range & boundary for each numeric functionality	All Modules
4	Machine Detail added : Equipment ID,Machine name,Machine model,Machine sr. no.(Configurable Form production report setting)	All Report(Machine information)
5	Footer : Generated By,Checked By,Reviewed By,page number	All Report(Footer)
6	Configurable footer setting	System setting(Master)

7	-Machine speed in column
	Batch wise report :
	  -Batch size in Table
	  -Batch Status in Table
		Production Report

8	Batch wise -Batch size,Batch Start Time,Batch End Time,Alarm Cleared Date,Alarm Type(Critical/Non-critical)	Alarm
9	Batch wise -Batch size,Batch Start Time,Batch End Time Datewise -Date Period Start Time,Date Period End Time	Audit Report