

QUALITY INSPECTION

INTRODUCTION

Our application specialize in advanced automation technologies such as surface detect inspection, OCR/OCV (Optical Character Recognition/Optical Character Verification), and critical measurements. These technologies are integrated into our specialized application, **QualityInspection**, which is designed to enhance precision and operational efficiency in various industrial processes.

QUALITY INSPECTION DASHBOARD

ROKAM

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DASHBOARD

SETTINGS

USER MANAGEMENT

SKU MANAGEMENT

MARKING ITEMS

CAMERA MANAGEMENT

IMAGE MANAGEMENT

TEACH IMAGE

COMMUNICATIONS

INSPECTION

ALARMS

RESULTS

REPORTS

TCP SERVER

MODBUS TCP

EDIT IMAGE SETTINGS

USER MANAGEMENT

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Last Modified on : 08-04-2024

USER MANAGEMENT

USER NAME

User Name

PASSWORD

User Password

ROLE

ADD USER

USER NAME	ROLE	REMOVE
a	Administrator	x
m	Maintenance	x
o	Operator	x

SKU MANAGEMENT

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031

SAMPLE NAME

+ ADD

☐ COPY

SKU MANAGEMENT

Last Modified on :

ID	SKU CODE	REMOVE
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IMAGE SETTINGS

✕ DELETE

COMMUNICATIONS

✕ DELETE

CAMERA SETTINGS

✕ DELETE

MARKING ITEMS

✕ DELETE

to add new job

to copy from existing job

MARKING ITEMS

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031-SAMPLENAME

Last Modified on :

MARKING ITEMS

Select Tool

004

Enter Marking Name

+ ADD

ID	TYPE	MARKING ITEMS	REMOVE
001	PatternMatchMax	pmm	✕
002	ColorPixelCounter	cpc	✕
003	PixelCounter	pc	✕

1. SELECT SKU NAME

2.SELECT TOOL

3.ENTER MARKING NAME

4.ADD

5.SAVE

LIST OF TOOLS

Select Tool

004

MAR

PatternMatchMax

PatternMatch

ColorFilter

ColorPixelCounter

PixelCounter

CodeReader1D

CodeReader2D

OCRAI

OCRMax

CombineResults

CAMERA MANAGEMENT

Steps :

1.SELECT SKU

2.SELECT CAMERA

3.SET EXPOSURE TIME AND GAIN

4.START CAMERA

5. SAVE IMAGE

6.STOP CAMERA

7. SAVE

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027-test1

BL32411AAK00001

LAST MODIFIED ON :

CAMERA MANAGEMENT

Image Acquisition : 3.44 FPS

Image Processing : 0.18 ms

Properties

Acq Interface : HWV3pdParty

Acq Name : HuarayTechnolo

Serial Number : BL32411AAK0000

Manufacturer : Huaray Technol

ModelName : AB3A20CU000E

Settings

Exposure Time : 300000

Gain : 1

Rotation Angle : 0

Mirror Enable : Off

Trigger

Trigger Mode : Off

Auto Save Image : Off

Live Processing

Enable DM Code

Enable QR Code

START CAMERA

SAVE IMAGE

STOP CAMERA

Calibration

Focal Length (mm) : 12.0

Plate Thickness (mm) : 2.0

Plate Dimension (mm) : 80

Working Distance (mm) : 100

Pixel Size(um) : 3.75

Smoothness : 0.50

CALIBRATE

Error :

ROKAM

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2nd Stage, Bangalore 560072

CAV1@4000x3000x3@3.44 FPS -

IMAGE MANAGEMENT

Select SKU

Add IMAGE

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Select SKU Number

Last Modified on : 21-09-2024

ADD IMAGES

FILE NAME REMOVE

IMAGE MANAGEMENT

COMMUNICATIONS

STEPS :

1.Select SKU

2.Load Settings

3.Click OK

4.SAVE

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020-rokam

LOAD SETTINGS

TEACH IMAGE

Select Image :

ADD

EDIT

ID

ENABLE

TOOL NAME

INSPECTION NAME

REMOVE

LOAD IMAGE SETTINGS

IMAGE SETTINGS FOR THIS SKU NOT AVAILABLE

OK

TEACH IMAGE PART 01

1.Select SKU

2.Select MARKING item

3.ADD / EDIT

4. Select IMAGE

ROKAM

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LOAD SETTINGS

TEACH IMAGE

Select Image : 00002.png

21-09-2024_19:38:23

ADD

EDIT

INSPECTION NAME

REMOVE

Select Marking Item

001-PATTERNMATCHMAX

002-COLORPIXELCOUNTER

003-PIXELCOUNTER

NOTE : EDIT is used to alter the existing marking item

NOTE : After finishing the teaching part saving is compulsory

INSPECTION

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CAMERA IS READY

020-rokam

1. Select SKU

2. LIVETRIGGER

3. IMAGETRIGGER

COUNTER

PASS :

FAIL :

TOTAL :

DETAILS

TriggerNo :

CycleTime :

NOTE : If camera is not connected following message will pop up

CAMERA

COULD NOT ABLE TO OPEN FRAMEGRABBER

OK

RESULTS

1.Select SKU

2.Select DATE

3.Select GET RESULTS

4.Select TRIGGER

Only ADMIN

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Select SKU Number

26 September 2024

GET RESULTS

CLEAR RESULTS

RESULTS

INSPECTIONS/G8

ID	TRIGGER	TIME	DELETE
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PARAMETER	VALUE
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REPORTS

1.Select SKU

2.Select DATES

3.Select USERS

4.Select PASS/FAIL

5.GET REPORTS

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All SKUs

All Users

GET REPORTS

REPORTS

26 September 2024 | 00:00:00

26 September 2024 | 23:59:59

ALL

ID	SKU	DATE	TIME	TRIGGER	USERNAME	RESULT
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GET IN PDF FORM

TOTAL	PASS	FAIL
-------	------	------

FAILED	COUNT
--------	-------

STATISTICS	VALUE
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ALARMS

