isense

"

Accelerating your adoption of digital transformation in an Industry 4.0 age

]]

iradar

SMART AI VISION

FOR A BETTER TOMORROW

Our smart AI vision technology helps you to make better QC process thus allowing you to operate your factory more efficiently which then leads to increased productivity.

LEADER PROVIDER

Provides a user friendly solutions that speeds up your production process. You will receive expert's advices and suggestions on how to automate your factory.

NO. 67 & NO. 69 JALAN ECO 1 ZON INDUSTRI AYER KEROH BARU HANG TUAH JAYA BUKIT KATIL 75450 MELAK, MALAYSIA



IR 4.0

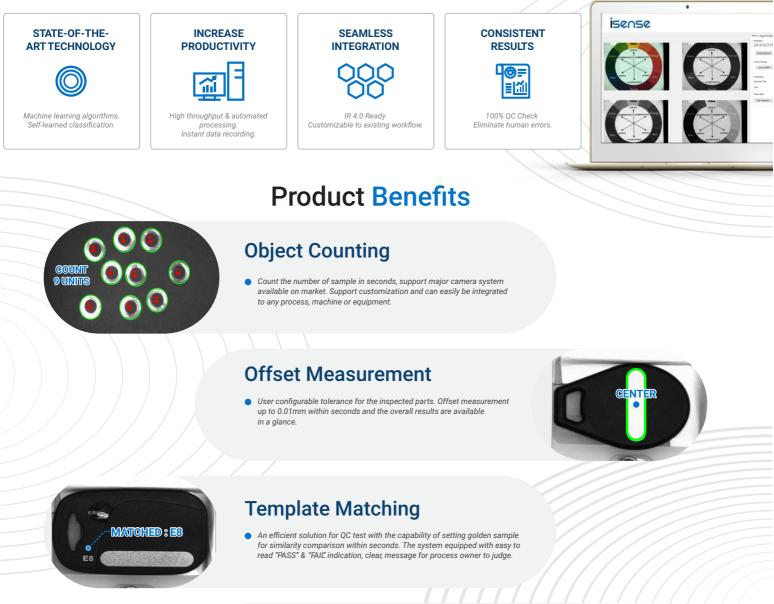
SOLUTION

HIGHLY EFFICIENT VISION INSPECTION SYSTEM POWERED BY AI & MACHINE LEARNING ALGORITHMS

The best solutions for product validation, minimum human error invention that meet the specification & requirements as desired.

SMART AI VISION INSPECTION SYSTEM

We offers commercial functional test systems for a broad range of industrial manufacturing test applications. Designed for production testing, our solutions are optimized for throughput, reliability, repeatability, and cost.



Simple and ease setup with user configurable tolerance for the inspected parts. Capable of detecting defects that are complex in nature within

Smart Defect Detection

seconds and the overall results are available in a glance.



iradar

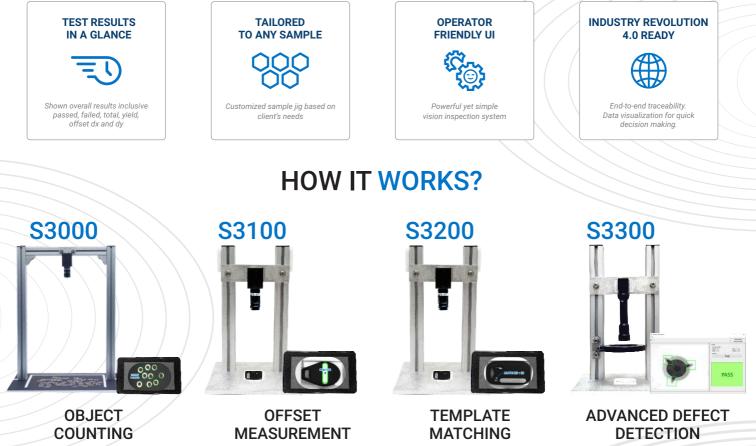
We're passionate to make manufacturing more efficient, sustainable and profitable

©2021, iSense iRadar Sdn Bhd. All Rights Reserved. Contact Us

e: sales@iradar.com.my t: +60 6230 0177 NO. 67 & NO. 69 JALAN EC ZON INDUSTRI AYER KEROH BARU HANG TUAH JAYA BUKIT KATIL 75450 MELAK, MALAYSIA

isense





User configures the software to determine the type of vision inspection. Device under test (DUT) is placed into the camera jig to conduct the inspections. Object counting is done in real time with highly efficient algorithm.

2

1

Overall test results are shown in software UI in a glance, inclusive of yield (%), total passed, failed and also the inspected parameters. The inspected results will also be stored digitally in the system.



We're passionate to make manufacturing more efficient, sustainable and profitable

©2021, iSense iRadar Sdn Bhd. All Rights Reserved. Contact Us e: sales@iradar.com.my t: +60 6230 0177 NO. 67 & NO. 69 JALAN EC ZON INDUSTLI AYER KENOH BARU HANG TUAH JAYA BUKIT KATIL 75450 MELAK, MALAYSIA



S3000 SMART AIV OBJECT COUNTING

The best solution for defect detection and quality control validation. Minimize human error and maximize production yield while preserving the best quality.



Simple and ease setup with user configurable tolerance for the inspected parts. Automatically count objects within seconds and the overall results are available in a glance.

OPERATING CURRENT SENSOR 1.3 MP, 1/3" CCD, Area Scan Mono Camera ∢ PIXEL SIZE 3.75 um* 3.75 um Ľ RESOLUTION 1280 * 960 pixel ш Σ MAX. FRAME RATE 30 frame per second (fps) ∢ EXPOSURE TIME 10 µs to 1 s C WORKING TEMPERATURE Working temperature: 0 °C to 50 °C HUMIDITY 20% to 80% RH, without condensation

SYSTEM CONFIGURATION





S3100 SMART AIV OFFSET MEASUREMENT

The best solution for defect detection and quality control validation. Minimize human error and maximize production yield while preserving the best quality.



Simple and ease setup with user configurable tolerance for the inspected parts. Offset measurement up to 0.01mm within seconds and the overall results are available in a glance.

SYSTEM CONFIGURATION

PIXEL SIZE

RESOLUTION

MAX. FRAME RATE

WORKING TEMPERATURE

EXPOSURE TIME

HUMIDITY

◄

R

ш

Σ

∢

C



©2021, iSense iRadar Sdn Bhd. All Rights Reserved.

t: +60 6230 0177 NO. 67 & NO. 69 JALAN EC ZON INDUSTRI AYER KEROH BARU HANG TUAH JAYA BUKIT KATIL 75450 MELAK, MALAYSIA

3.75 µm * 3.75 µm

1280 * 960 pixel

10 µs to 1 s

30 frame per second (fps)

Working temperature: 0 °C to 50 °C

20% to 80% RH, without condensation

FOR A BETTER

TOMORROW



S3200 SMART AIV TEMPLATE MATCHING

The best solution for defect detection and quality control validation. Minimize human error and maximize production yield while preserving the best quality.



An efficient solution for QC test with the capability of setting golden sample for similarity comparison within seconds.

The system equipped with easy to read **PASS & FAIL** indication, clear, message for process owner to judge.

SYSTEM CONFIGURATION

ĸ

ш

Σ

∢

C

RESOLUTION

MAX. FRAME RATE

EXPOSURE TIME

HUMIDITY

WORKING TEMPERATURE



iradar

We're passionate to make manufacturing more efficient, sustainable and profitable

©2021, iSense iRadar Sdn Bhd. All Rights Reserved. Contact Us e: sales@iradar.com.my t: +60 6230 0177 NO. 67 & NO. 69 JALAN EC ZON INDUSTRI AYER KEROH BARU HANG TUAH JAYA BUKIT KATIL 75450 MELAK, MALAYSIA

1280 * 960 pixel

10 µs to 1 s

30 frame per second (fps)

Working temperature: 0 °C to 50 °C

20% to 80% RH, without condensation



S3300 SMART AIV ADVANCED DEFECT DETECTION

The best solution for defect detection and quality control validation. Minimize human error and maximize production yield while preserving the best quality.



Simple and east setup with user configurable tolerance for the inspected parts. Capable of detecting defects that are complex in nature. within seconds and the overall results are available in a glance.

SYSTEM CONFIGURATION

∢

۲

ш

Σ

∢

0

PIXEL SIZE

RESOLUTION

MAX. FRAME RATE

WORKING TEMPERATURE

EXPOSURE TIME

HUMIDITY



iradar

We're passionate to make manufacturing more efficient, sustainable and profitable

©2021, iSense iRadar Sdn Bhd. All Rights Reserved. Contact Us e: sales@iradar.com.my t: +60 6230 0177 NO. 67 & NO. 69 JALAN EC ZON INDUSTRI AYER KEROH BARU HANG TUAH JAYA BUKIT KATIL 75450 MELAK, MALAYSIA

3.45 µm * 3.45 µm

2448 * 2048 pixel

50 µs to 10 s

35 frame per second (fps)

Working temperature: 0 °C to 50 °C

20% to 80% RH, without condensation

HIGHLY EFFICIENT VISION INSPECTION SYSTEM POWERED BY AI & MACHINE LEARNING ALGORITHMS

The best solutions for product validation, minimum human error invention that meet the specification & requirements as desired.

SMART AIV OPTIONAL ACCESSORIES





We're passionate to make manufacturing more efficient, sustainable and profitable

©2021, iSense iRadar Sdn Bhd. All Rights Reserved. Contact Us

e: sales@iradar.com.my t: +60 6230 0177 NO. 67 & NO. 69 JALAN EC ZON INDUSTRI AYER KEROH BARU HANG TUAH JAYA BUKIT KATIL 75450 MELAK, MALAYSIA