

Scailable.

Visual product quality control.



Scalable.

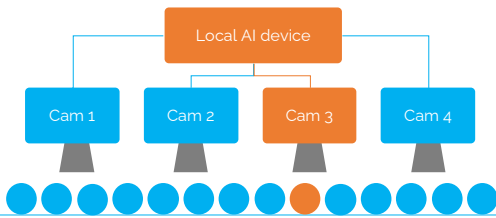
Product quality control.

Delicate crops need extra care...

You want to deliver the highest quality product. However, large-scale automated product inspection is a challenge: Common machine vision systems are expensive and rely on stable internet connections. Furthermore, they can often only be used for a single crop. We provide a fully modular solution that runs locally, using off-the-shelf IP camera's, that can easily be tailored for virtually any product or crop.

Versatile product inspection. Anywhere.

Our unique AI vision solution can classify and locate multiple crops and products. The solution can easily be trained to maximize performance in your specific context. Our solution runs locally (no hidden cloud costs), and is fully secure. We enable the highest quality product, in any situation.



- Identify product anomalies, classify products, and locate products.
- Send data directly to your (local) application platform, or generate alarms (using e.g., REST).
- Use Modbus over TCP/IP to directly interface with (e.g.,) a cobot to sort the products.

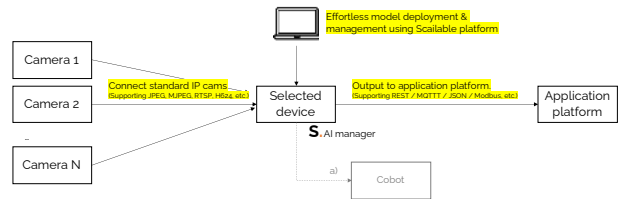


Extendable & modular

Our unique solutions is fully modular. Powered by the **Scalable AI manager** installed on a local edge device, it is possible to change your models on-the-fly. Use our flexible solution for product quality monitoring in various circumstances and for changing production lines.

Technical details

Using advanced AI models running on selected edge devices we enable our modular and secure edge AI product quality control solution. We can run on virtually any IPC / industrial gateway to enable local monitoring.



- **Suggested local processing hardware:** Advantech 42/44xx series or MIC-710AIL.
- **Suggested cameras:** The product quality inspection solution works with virtually any IP camera providing JPEG, MJPEG, RTSP, H264, and a variety of other output formats. You can even use our solution with your existing IP cameras. We ensure easy compatibility with the Dahua IPC-HDWxxx series and the Vivotek IB9380-H, CC9380-HV, FD9380H, IT9380-H, and FE9380-HV.
- High accuracy (average precision) and easily retrained for your purposes.
- Supporting multiple output formats (e.g. Modbus, REST, etc.)

ADVANTECH

Benchmarking:

Functionality	ICR42xx	MIC-710
Crop classification	44 FPS	212 FPS
Quality inspection	32.0 FPS	160 FPS

Computational example: on a single IPC (the Advantech MIC-710AIL) we can process over 6 video streams in real-time (> 15FPS) for product quality inspection.

Get started now.

Our software is plug & play. To get started right away, please contact us at go@scalable.net, or gives us a call at +31 (0) 6 42499591.

Get started at:
<https://www.scalable.net/>

Or contact us at:
go@scalable.net