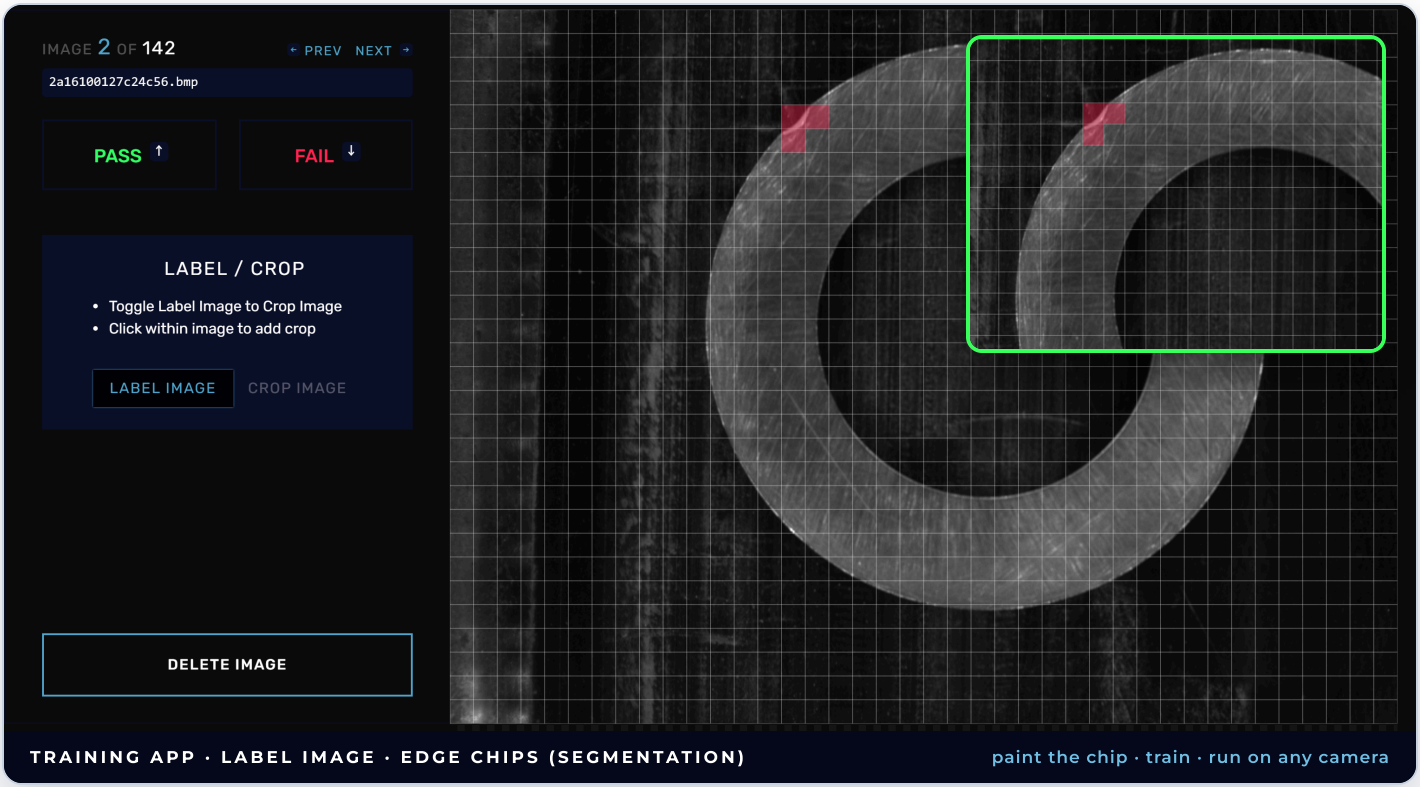
# Pixel Segmentation NEW

Clearly identify quality issues with Deepview VisionAI Software




## What's new

- **Pixel Segmentation task**
  A third task next to Image Classification and Box Detection. Create it from **Create New Application → Pixel Segmentation → FAIL check**.
- **Grid paint labeling**
  Open a FAIL image and click the cells that contain the flaw. PASS images need no mask. Progress and PASS / FAIL counts update live.
- **Defect mask in production**
  The network returns where the defect is and how big, alongside PASS / FAIL, so the PLC can sort by severity.

## Why it matters

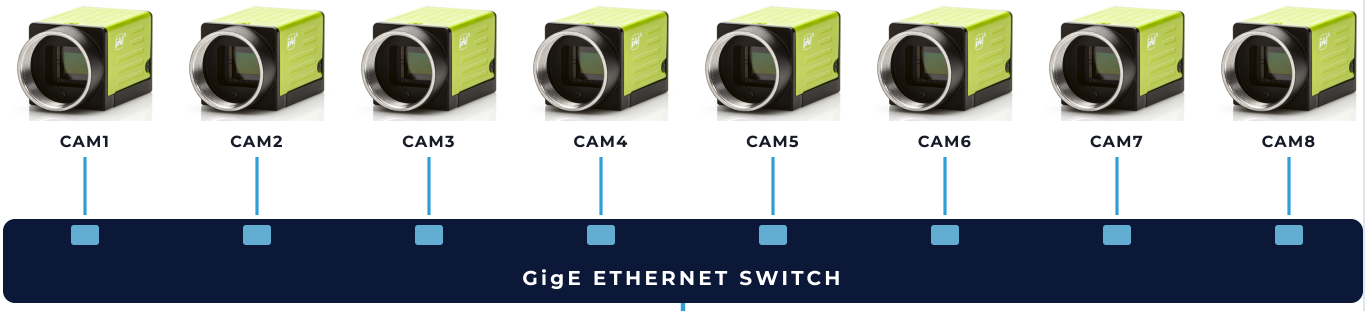
Small defects on large parts — an edge chip on a bearing race, a hairline scratch, a pore in a casting — are a tiny fraction of the pixels. A whole-image classifier needs thousands of examples to learn them; a segmentation network learns from a few dozen painted images.

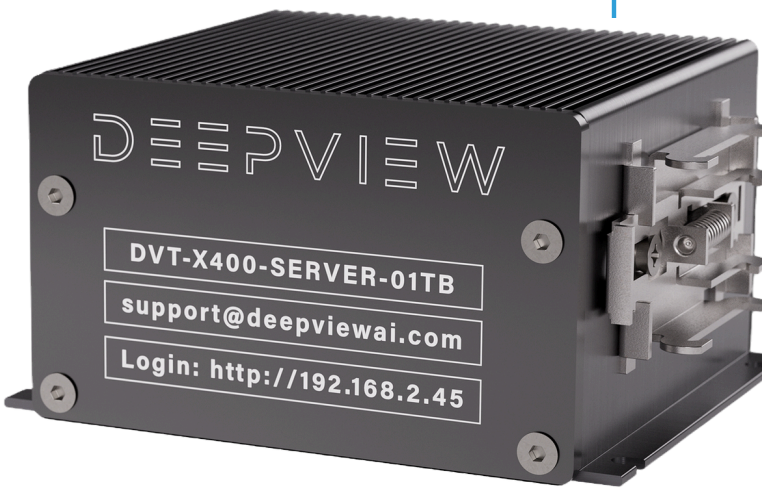
> **Demo dataset included. edge chips (segmentation)** ships on every processor. Pick it as the simulated camera source, press Trigger All and watch it run.

Pixel Segmentation PASS check and multi-class are in development.

# Self-Configure 1–8 GigE JAI Cameras NEW

Plug the cameras into an Ethernet switch, press the count in the browser, capture — no reboot, no config file




## X400 VISION PROCESSOR

VISIONAI SOFTWARE INCLUDED

1–8 GigE JAI cameras
EtherNet/IP
8 job slots
1 TB SSD
Browser setup

CAMERA SETUP → 8

CAMERA SETUP NEW

### Number of cameras 1–8

- Press the count; camera table, Trigger All and per-camera jobs rebuild
- Takes effect on the next capture, no reboot

JAI GigE

### Out of the box

- Cameras discovered on the switch automatically
- Exposure 0.1–99 ms per camera with live video

SIMULATED CAMERA

### Prove out before mounting

- Replay a stored image set from any training application
- Runs through any job, 1–8 cameras