

Aivaro AI Feature Detection Quickstart Guide

Purpose: Use this guide to activate Aivaro AI Feature Detection and start training your first inspection model with Enersight-compatible hardware.

1. Before you begin

[Confirm that your microscope, camera, and software version support Enersight Desktop and Aivaro AI Feature Detection](#)

2. Set up the dongle

1. Insert the Aivaro AI Feature Detection dongle into an available USB port on the Enersight Desktop-compatible computer (Note: connect directly to the PC, not through a USB hub).
2. [Install Enersight Desktop version 1.5 or later](#)

3. Set up the Aivaro AI Feature Detection Software Module

[Get set up with Enersight Assist and Aivaro AI Feature Detection](#)

4. Tips for better results

- Use consistent lighting, focus, and magnification during image acquisition.
- Include normal variation in your training images so the model learns the difference between acceptable variation and true defects.
- Label only what should be detected. Avoid labeling shadows, reflections, or preparation artifacts unless they are relevant features.
- Retrain the model when new defect types, sample materials, or imaging conditions are introduced.

5. Need help?

If the dongle is not recognized, the AI defect detection module does not appear, or model results are inconsistent, contact your Leica Microsystems support representative and include your software version, hardware configuration, and a short description of the issue.