



APHELION™

**THE SOFTWARE SUITE
TO MEET YOUR COMPUTER
VISION NEEDS**

AN ADCIS SOFTWARE

APHELION™ IMAGING SOFTWARE SUITE

ONE PLATFORM. FROM ACQUISITION TO DEPLOYMENT.

APHELION™ IS A COMPLETE IMAGING SOFTWARE SUITE DESIGNED TO ACQUIRE, ANALYZE, MEASURE AND DEPLOY COMPUTER VISION APPLICATIONS FASTER.

A PROVEN IMAGING PLATFORM

- **30+ years of imaging expertise**
- 2D, 3D, color, multiband images & point clouds
- **From image acquisition to analysis in a single environment**
- **Fast prototyping** with extensive imaging libraries
- Designed **for industrial, scientific & R&D applications**



TYPICAL APPLICATIONS



Quality Control



Life Sciences



Metrology



Process Control



Materials Science



Research & Development

CORE CAPABILITIES

ACQUISITION & SETUP

Connect and configure virtually any imaging system.

Image Acquisition, Calibration, Configuration & Setup Compatible with: industrial cameras · microscopes · SEM · EDS · multisource imaging systems

ANALYSIS & PROCESSING

Transform images into measurable and actionable information.

Object Detection, Segmentation, Classification, Object Extraction & Editing, Measurements (50+ features), AI-Assisted Image Analysis · Metrology

AUTOMATION & OUTPUT

Automate workflows and integrate results into your processes

Workflow Automation, Report Generation (Excel, CSV), Production Integration, Real-Time Inference, Industrial Deployment

DEVELOPMENT & DEPLOYMENT

Build custom solutions and advanced AI applications.

Python, C# and Visual Basic APIs, SDK Development Tools, Deep Learning Framework, Support, Custom AI Pipelines

AI & DEEP LEARNING NEW 2026 · Annotate · Train · Infer

PyTorch · TensorFlow · GPU Optimization
No coding required

SCALABILITY

Prototype → Validate → Industrialize → Deploy

INDUSTRIAL AI MADE ACCESSIBLE (NEW 2026)

ANNOTATE

Build high-quality datasets

- AI-assisted annotation
- Detection, segmentation and classification tools
- Collaborative workflow

TRAIN

Build industrial AI models

- No coding required
- Optimized training workflows
- Support for industrial imaging datasets

INFER

Deploy AI in production

- Real-time inference
- Integration with existing workflows
- Industrial-grade deployment
- Scalable from laboratory to production

STAY FOCUSED ON YOUR EXPERTISE

Aphelion handles the AI complexity

PyTorch • TensorFlow • Neural • GPU Optimization • AI Pipelines

THE APHELION ECOSYSTEM

ACQUIRE

Cameras,
Microscopes, SEM,
Smartphone

ANALYZE

2D, 3D,
point clouds,
video

PROCESS

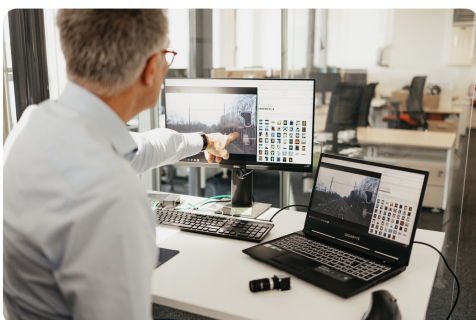
Filter, Detect
Classify, Analyze,
including AI

AUTOMATE

Python,
C#,
Reporting

DEPLOY

From
prototype
to production



FIND OUT THE SOFTWARE EDITION THAT MEETS YOUR NEEDS

- **APHELION DEV** for research labs, R&D, prototyping
- **APHELION LAB** for testing labs
- **APHELION SDK** for OEMs and VARs
- **DEEP LEARNING MODULE** for AI projects

EXTENSIONS: 3D • DEEP LEARNING • CLASSIFICATION • COLOR SEGMENTATION • REGISTRATION • STEREOLOGY • STITCHING

APHELION ACCELERATES ALL YOUR IMAGE PROCESSING AND ANALYSIS PROJECTS

READY TO GET STARTED?

Request a demo • Download the trial version • Upgrade your license anytime



LET'S TALK ABOUT YOUR IMAGING CHALLENGE

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