

SPECIM



A Konica Minolta Company

SPECIMONE

SPECTRAL IMAGING PLATFORM



Create industrial sorting and inspection solutions
faster, cheaper, and easier than ever!

Spectral Imaging Made Easy!

SpecimONE is a complete spectral imaging platform that makes it easy for machine builders, vision systems integrators, and OEMs to create and deploy new industrial sorting and inspection applications.

- Classify and quantify different materials based on their spectral signature and build prediction models off-line.
- Apply the models to your in-line system for real-time sorting and inspection.
- No need for coding or in-depth knowledge of hyperspectral imaging.
- Faster go-to-market timeframes.
- Flexible technology allows an unlimited amount of applications.
- Compatible with major industrial machine vision standards.



A complete solution combining an HSI camera, software, and compute power



Specim HSI Camera

- The first hyperspectral cameras designed for industrial use.
- Classify and quantify materials invisible to the human eye based on their unique spectral signature instead of size/shape/color.
- In-line optical inspection for the entire material stream in real-time with a single scan.
- Non-invasive inspection with close to 100% accuracy.



SpecimINSIGHT

- An easy-to-use offline hyperspectral image processing software.
- Browse and explore hyperspectral data, create and validate classification and quantification models.
- The models created with SpecimINSIGHT can be deployed on SpecimCUBE for real-time data processing.

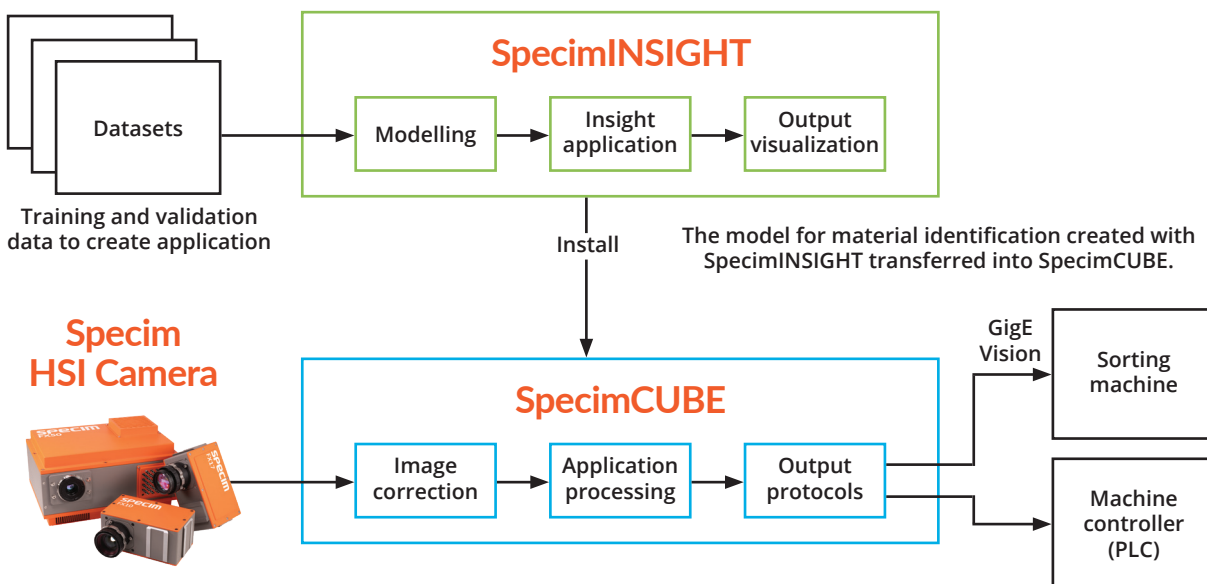


SpecimCUBE

- Receives the data from Specim cameras and processes it in real-time based on models created with SpecimINSIGHT.
- The results are streamed to the sorting machines or machine vision systems over GigE Vision.
- High performance for real-time applications.
- Flexibility to switch and run different models.
- Based on Xavier, a system-on-a-chip developed by Nvidia
- Optimized software to meet industry requirements for throughput, latency, and jitter.

Specim - Single Point of Contact with Global Presence

The Specim's proprietary SpecimONE platform guarantees full compatibility and seamless operation between Specim FX and GX cameras, modeling, and real-time software tools.



About Specim

Specim is the leading global supplier of hyperspectral imaging solutions.

We offer the broadest range of hyperspectral cameras, imaging spectrographs, software systems, and accessories to serve machine builders, integrators, industry OEMs, research, and government organizations across the world.

Founded in 1995, Specim is known as a trusted partner with products and support of superb quality and cost-efficiency.

Specim is a part of the Konica Minolta Group.

For more information go to: specim.com/specimone

