

## ABOUT ASH

ASH powers over 15,000 inspection solutions globally, enabling manufacturers to improve efficiency, protect quality, and minimise risk. As a leader in digital and AI-based inspection technology, ASH designs advanced solutions that meet the evolving needs of various industries, from electronics and automotive to medical devices and aerospace.

With a strong focus on precision, innovation, and customer satisfaction, ASH consistently advances inspection and measurement capabilities, providing tools that ensure accuracy and reliability. By driving innovation in inspection technology, ASH helps clients meet rigorous production standards while reducing operational risks, downtime, and costs, ultimately enhancing productivity and competitiveness across global markets.



## Let's Discuss Your Inspection Challenges!

VANTAGE is the latest addition to our innovative product lineup. At ASH, we're dedicated to delivering the world's most advanced inspection technology solutions, designed to meet the growing needs of modern industries.



If you're facing inspection challenges, we're here to help. Explore our range of cutting-edge products, tailored for precision, efficiency, and reliability.

Let's work together to find the perfect solution for your specific needs.



### CONTACT ASH

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# VANTAGE

## 4K Evolution in Inspection and Measurement



Enhance Your Inspection With 4K Ultra High Definition Technology





# VANTAGE

Ash, a leader in digital imaging, announces the VANTAGE, a 4K digital microscope system that enhances precision and efficiency. With advanced software, VANTAGE delivers exceptional clarity, functionality, and ease of use, setting a new benchmark in visual quality control.



## Unmatched 4K Visual Clarity

The VANTAGE's 4K ultra-HD camera captures even the finest details with four times the resolution of standard HD, ensuring precise, real-time inspections.



## Enhanced Functionality with Innovative Software

All the powerful features of the Omni 3 are now available in 4K, with a range of optional software applications for added functionality.



## TECHNICAL SPECIFICATIONS\*:

- Magnification Range\***  
2.5 - 68 (Optical)  
69d - 136.5d (Digital)
- Camera Resolution**  
3840 x 2160 px
- Frame Rate**  
50 / 60 fps
- Monitor Requirements**  
4K HD
- Max FOV (H x V)**  
200 x 112mm (Optical)
- Min FOV (H x V)**  
7.5 x 4.2mm (Optical)

\*Specifications obtained using a 24" 4K Monitor

## ABOUT THE AVAILABLE APPS:

### Image Stacking App

Allows you to view a sample with different heights all in focus at the same time for inspection efficiency without the need for multiple focus adjustments.

### The Overlay Comparator App

Is a valuable tool for the electronics industry, enabling defect detection by overlaying a live sample image with a stored master image. It helps identify issues early in production, reducing the risk of costly reworks and waste.

### Side by Side Comparator App

The split-screen comparator allows live samples to be visually compared to a stored master image, enabling rapid identification of differences. This side-by-side reference helps manufacturers spot defects or non-conformities early, preventing costly issues later.

### DXF Import/Export App

The DXF Import/Export App lets manufacturers create digital overlay templates from product DXF files, which can be edited and annotated for fast go/no-go testing. It also supports DXF export for reverse engineering, eliminating the need for manual measuring and redrawing.

### The 2D Measurement & Gaticules App

Provides comprehensive 2D measurement and annotation tools, such as point-to-point, spline, and polygon measurements, ensuring design dimensions meet technical specs. Features like snap-to-edge ensure consistent measurements, and factory calibration eliminates the need for recalibration at different magnifications. Z-axis measurements can be made using spot height.