

# Digital Pathology



The innovative management of digital slides



ZEEROMed suite accompanies anatomic pathology laboratories throughout the digital transition process.

The employed technology supports the storage and visualization of digital slides **regardless of the scanner or format**, both proprietary or DICOM.

ZEEROMed suite can easily integrate with third-party LIS (Laboratory Information System), providing a complete workflow thanks to three applications: **ZEEROMed VIEW**, **ZEEROMed Store** and **FEED**.

## TECHNOLOGY

ZEEROMed applications are web-based and **zero-footprint** native, requiring only a browser. It ensures high **flexibility** and **scalability**, **security**, and **accessibility** to images from any location in real-time.

The technology enables remote collaboration: the pathologist can request or provide consultations to colleagues synchronously or asynchronously, even on mobile devices, facilitating scenarios such as **telepathology**, teleconsultation, and remote training. ZEEROMed suite manages geographically distributed multi-site projects through intelligent handling of digital slides and short/medium/long-term storage policies, even in **Cloud** environments.

## INTEGRATIONS

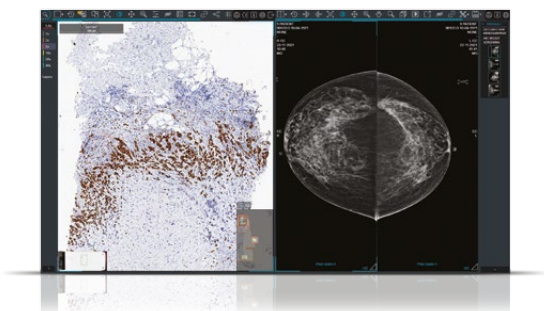
The FEED is the component responsible for integrating the scanners and sending the digital slides, in a proprietary format or DICOM, to ZEEROMed Store for secure data storage. Moreover, the FEED manages the integration with the LIS for associating metadata with the slide and notifying the correct image import into the system.

Finally, the ZEEROMed VIEW allows the diagnostic visualization of a single or multiple slides belonging to the same case. The viewer can directly integrate with the LIS interface.

## A COMPLETE EXPERIENCE

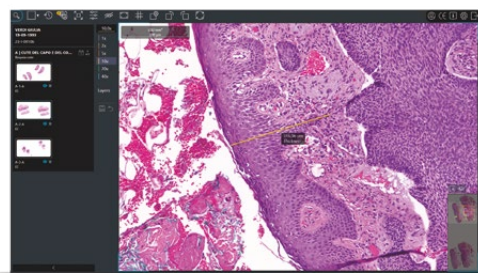
ZEEROMed suite improves diagnostic accuracy by providing pathologists with a **multidisciplinary** view of the case. Digital slides can be compared with images from other sources and departments using one diagnostic tool.

ZEEROMed integrates with the leading **artificial intelligence solutions**, supporting pathologists in clinical routines and making slide analysis faster and more efficient.



## MAIN FEATURES

- **Virtual tray:** direct access to digital slides related to the present case and organized by material and block of belonging. It includes the indication of the slides already analyzed by the pathologist and the possibility of marking clinically relevant slides. The layout is highly configurable by the user;
- **Creation of custom multi-slide views** with synchronization and alignment functionality;
- **Dynamic navigation map** with the highlight of the areas of the image that the user has viewed;
- **Magnification levels**, continuous or pre-defined, for smooth image navigation. The mini-map allows you to know which area of the slide you are viewing or to move quickly to other areas;
- **Annotations of the slides** and carrying out distance and surface measurements, with the possibility to save the graphic layers created so as not to lose information;
- **Export of ROI** (Region Of Interest) locally or on the LIS. Each acquired ROI is identified in the viewer and can be commented on by the user;
- **Color correction:** gamma correction, brightness and contrast correction, and RGB channel balancing;
- **Patient history:** quick access and case comparison without losing focus on the current exam. The history can also come from different specialty archives;
- **Cell counter:** cell count by positioning customizable markers and displaying statistics.



**O<sub>3</sub>** O3 enterprise  
ZUCCHETTI

**Headquarter**  
Area Science Park,  
Padriciano 99 - 34149, Trieste - Italy  
**Local Unit**  
Via Caprin 18 - 34170, Gorizia - Italy

**P:** +39 040 9828200  
**E:** info@o3enterprise.com  
info@zeeromed.com

[www.zeeromed.com](http://www.zeeromed.com)