**Western Digital.**

# Future-Proof Your Video Surveillance Infrastructure with Western Digital and WiZR Video Analytics

**WiZR**

## Challenges

- Live video surveillance is expensive, not scalable and prone to human errors which can cause high false alarm rates
- New high resolution cameras can produce 8 times the data of 1080p cameras, straining the capacity and of the storage infrastructure and forcing shorter retention times
- Video analytics creates large metadata databases that drive high transactional performance needs and high bandwidth requirements
- Incident management is often limited to reviewing logs with no associated visual reference

## Highlights

- Advanced AI-enabled incident management technology provides real-time insights to enable proactive response times and streamlined dispatch capabilities
- Proven edge to cloud solution that significantly reduces installation, deployment and management efforts and costs and increases operational effectiveness
- Flexible and scalable capacity that enables video and associated metadata to be stored on the edge, in the cloud or on a centralized storage server platform
- Compatible with existing CCTV or IP-enabled camera systems, IoT sensors and Physical Access Control Systems (PACS) to reduce hardware costs and improve insights, accuracy and response times

Advancements in video surveillance gives companies visibility like never before but leveraging those assets beyond simply storing them for future access requires proven technology that is cost effective and avoids human errors. Video Analytics helps achieve that by providing real-time analysis of video for immediate detection of events of interest, delivering alerts when such events occur and enabling rapid response to incidents as they emerge.

In addition, the emergence of new sensors, higher resolution cameras and longer retention time requirements are generating massive amounts of data, most of which goes unreviewed. Many organizations struggle to support and scale their present infrastructure to maintain basic levels of service.

## WiZR and Western Digital Deliver an Integrated IoT Cloud and Edge Solution for Advanced Video Analytics

To address these problems, WiZR and Western Digital have teamed up to provide a scalable solution that seamlessly integrates next generation detection and alerting technology with IoT cloud and edge storage servers.

The WiZR Video Analytics Platform provides AI-enabled video analytics through an innovative cloud edge hybrid application platform that streamlines and optimizes analytics delivery, significantly reduces camera setup and deployment costs, and dramatically reduces false alarms.

Western Digital's Ultrastar® Serv60+8 storage servers leverage high-performance Intel® Xeon® Scalable processors to deliver the performance needed for demanding video analytics workloads. High-capacity Helioseal® helium-filled hard drives, lightning-fast SSDs and high-performance RDMA networking provide scalable capacity to handle rapidly growing amounts of data. With a choice of CPUs, memory and drives, customers can balance performance with cost to meet their specific workloads.

This powerful solution is compatible with nearly all IP-enabled cameras and CCTV systems and is scalable from a single consumer camera environment to large-scale multi-location operations center deployments in consumer, enterprise and retail markets.

## WiZR's Extensible and Flexible Architecture

Since no environments or customer needs are ever the same, WiZR's modern architecture is designed to seamlessly integrate with existing infrastructure or function as a standalone solution. The API-friendly multitenancy architecture integrates with customer and partner hierarchies to allow partners, customers and operators to operate within the same platform. This unique algorithm architecture interchanges multiple AI frameworks for unparalleled accuracy and resource efficiency based on customer needs.

## Solution

The combined solution of WiZR Video Analytics with IoT cloud and edge storage server solutions from Western Digital, provides a scalable solution that streamlines and optimizes analytics delivery while reducing deployment and bandwidth costs. Together, WiZR and Western Digital deliver the low-latency and high performance required for metadata and AI-based analytics.

## AI & IoT-Optimized Incident Management

WiZR's incident management solution combines IoT sensors and location-based grouping for highly contextualized incident management with the following advanced functionality:

- **Incident confidence scoring** leverages IoT and AI to prioritize incidents based on their urgency
- **Incident queue and parking** enables operators to quickly toggle between sites and manage incidents
- **Location specific contact** allows operators to quickly call location contacts with one click in the event of an emergency
- **Incident tagging allows** operators, customers and managers to quickly retrieve incidents while providing advanced reporting capabilities
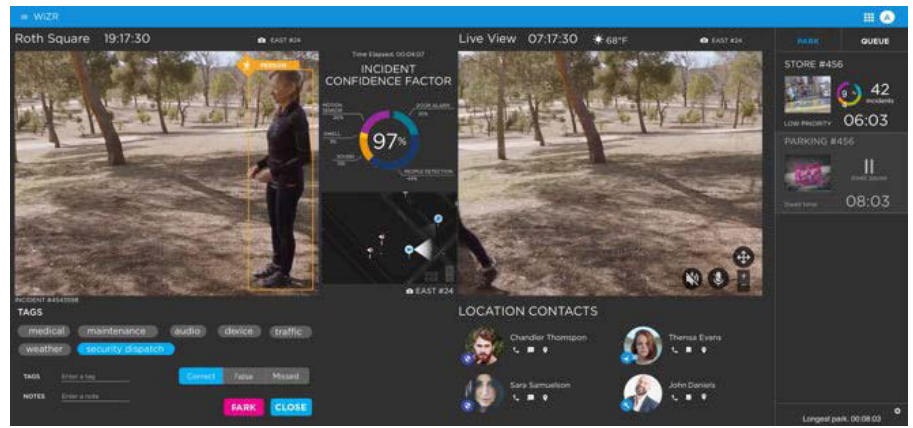


## Custom Dashboard and Reporting

WiZR's metadata can be leveraged for extensive analytics to improve operational efficiencies and boost commerce. Visualize traffic flow, heat maps and occupancy to properly manage staff and maintenance, and to understand customer behavior.
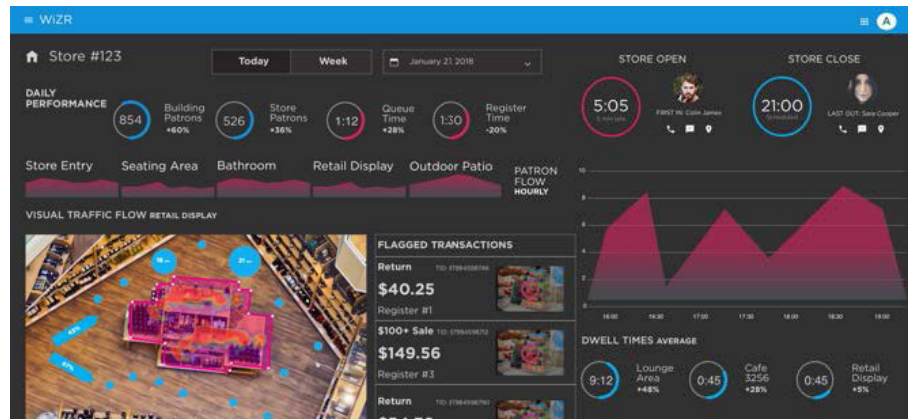


## Conclusion

For more information on WiZR Video Analytics Platforms, visit www.wizr.com.
For more information on Western Digital's lineup of storage servers, visit our website at http://westerndigital.com/platforms.

**Western Digital.**

5601 Great Oaks Parkway
San Jose, CA 95119, USA
**US (Toll-Free):** 800.801.4618
**International:** 408.717.6000

www.westerndigital.com