

# Western Digital. Device Analytics



## Western Digital® Device Analytics™

- Enables monitoring of storage devices in the surveillance solution
- Smart system monitoring and analysis to detect problematic conditions
- Intelligent recommendation guidance for problem remediation
- Provides clear and concise instructions for support

## Introducing Western Digital® Device Analytics™

(WDDA), a new device analytics capability supported by Western Digital's line of surveillance-optimized storage products. WDDA enables administrators to proactively manage storage and to maintain optimal performance to preempt unexpected failures.

Security is paramount in today's 24x7 world and robust surveillance helps provide that security and peace of mind. Unfortunately, continuous surveillance recording can be interrupted by unexpected events, including power outage/disruption, surveillance equipment failure, network infrastructure disruption, and even storage device failure.

While rare, storage failure can occur, resulting in a reduction in the total recording duration and the failover recording may be compromised. If repair or replacement of the storage device is required, it may result in recording downtime, a short-term security vulnerability, and unexpected expenses incurred because of special support or services.



Mainstream  
Cameras



Mobile  
sDVR / sNVR

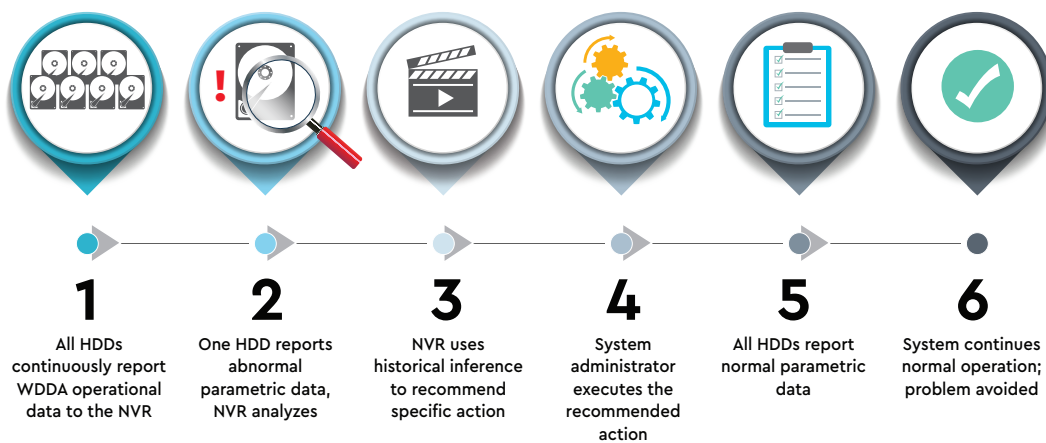


Deep Learning  
Video Storage



The new Western Digital® Device Analytics™ (WDDA) provides for the proactive monitoring of the storage subsystem to preempt unexpected disruptions. When implemented in a surveillance solution, it analyzes the operational parameters and the data from the embedded device sensors. This persistent monitoring enables the detection of problematic operating conditions and reports such conditions to the system administrators; it also suggests predefined actions that can be taken to maintain optimal operation of the storage devices.

#### Example of WDDA use in an NVR



Proper use of WDDA to proactively manage storage in a surveillance system can result in key benefits, including:

- **Potentially fewer field service calls** – Empower customers and integrators to proactively monitor the storage subsystem, and if needed, perform corrective actions on their own, thereby resulting in reduced TCO.
- **Makes more data analytics available to help troubleshoot** and proactively reduce a greater number of potential issues, thereby gaining insights for better system design.
- **Adds a valuable tool for the integrator/installer** to actively monitor system status and prevent potential problems to keep their customers happy by increasing system availability time.
- **Allows for data backup and avoidance of customer data loss, downtime, and a bad end-user experience** by helping to identify potential storage device candidates for replacement prior to failure, thereby increasing customer satisfaction.

With Western Digital surveillance-optimized storage, surveillance is more than just seeing: It is looking ahead. Capture, store, and analyze data with edge-to-core solutions that adapt to new innovations. For more information on our uncompromising line of surveillance solutions, please visit:

<https://www.wdc.com/solutions/edge-to-core.html>

## Western Digital.

### Contact Information

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