



**BCDV**VIDEO™

# ORION SERVER SERIES

Economical, Custom-Built Solutions  
for Video Surveillance

[bcdvideo.com](http://bcdvideo.com)



## PROACTIVE VS. REACTIVE SURVEILLANCE

When taking into account the billions of dollars lost to employee theft and shoplifting every year, small businesses can no longer afford to go without updated surveillance systems. With surveillance systems potentially costing thousands of dollars, small businesses often sacrifice the quality of the system for white-box solutions. Or worse - companies trapped by financial limitations continue to rely on outdated analog systems. Using this older reactive technology costs stores hours of productivity when trying to scan through blurry footage. According to Employee Theft Solutions, companies lose an estimated \$400 billion per year in productivity due to theft, on top of billions in lost merchandise.

*Implementing high-performance surveillance systems in small project environments has become imperative for small businesses. For integrators, revenue streams may be lower in future years due to endless white-box maintenance, unless more IP-based systems are used.*



## IP-BASED SOLUTIONS

Transitioning to IP-based servers allows greater scalability and total system performance. Engineered specifically for video surveillance, BCDVideo Orion Server Series provides

*Optimized for 24/7  
write intensive  
support*

## **ORION SERVER TECHNOLOGY**



The BCDVideo Orion Server Series was designed as an affordable replacement to outdated analog systems. Custom-built for small installations, the servers are scalable from four to sixty-four cameras with up to 56TB of raw video storage capacity. Additionally, the unique variation of form factors allow for a complete solution based on the needs of the project and the end-user – not just a one-size-fits-all solution.

The WD Purple Hard Drives featured in the Orion Server Series optimize 24/7 write intensive support for video surveillance. Up to 45% more power efficient when handling camera installments of 32 or less, the Purple Drives create a wide performance gap with similar drives. Ideal for surveillance systems with one to eight drive bays to support up to 32 cameras, the drive rates for workloads of 60TB per year while its unique firmware, AllFrame – a caching algorithm, reduces write errors and mitigates frame loss.

a purposeful solution ideal for security systems with 64 cameras or less. Security integrators have the ability to implement the Orion Series as an economical upgrade to analog without sacrificing performance or quality to

the small-to-medium business market. With the elimination of a DIY solution, surveillance projects will experience faster turnaround time, proven parts, and 3-year parts support including a 3-year total system guarantee.

# ORION SERVER SERIES

A brand new, high-definition video surveillance system comes demanding random write support. The quality of the servers, along with a reliable video management software, needs to match the performance of the cameras.

Upgrading cameras without the servers to support them creates unavoidable problems. Live video feeds will have severe lag or drop completely. Total system failure will become increasingly common and video storage limitations make long-term footage archiving impossible. The failure to pair high-resolution cameras with high-performance servers provides an incomplete video surveillance solution for even the smallest projects.

Using high-resolution cameras only leads to greater video surveillance with high-power backend support. BCDVideo's Orion Servers offer economical video surveillance solutions optimized through a custom-built approach for every project.

## ORION SERVER FEATURES



24/7 Surveillance Grade Drives



Capacity up to 56TB



Up to 64 Cameras



3-Year Parts Warranty



Find more info at [bcdvideo.com/orion-server-series](http://bcdvideo.com/orion-server-series) 847.205.1922