



# SMART SPACES

The urgency to streamline operations, enhance safety and automate physical environments has skyrocketed. A staggering 1 billion video cameras have been deployed globally to improve our lives and keep us secure. Optimizing AI-powered video analytics is necessary to achieve frictionless retail, efficient inventory control, innovative city traffic management, flawless factory floor inspections, and enhanced stadium experiences.

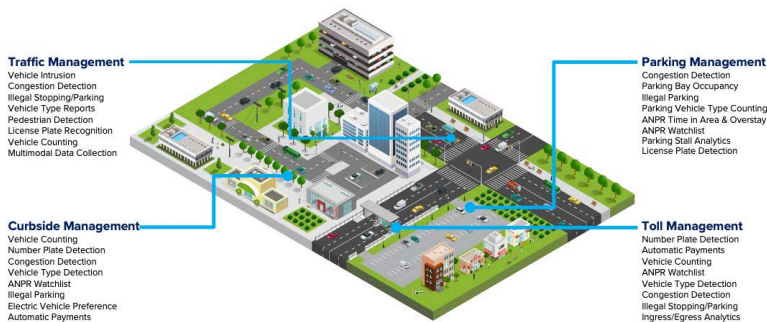
## Business Challenge

- > Automating Infrastructure
- > Need for business-critical data
- > Reduce downtime of operations
- > Improve Efficiency and Dependability
- > Prioritize safety, security, and compliancy standards
- > Requiring near-immediate response to concerns

## Solution

BCD's AI-ready solutions have been tested and validated in our labs to guarantee high-performance for a wide range of AI applications. The platforms tested include, but are not limited to: Intelxvision, SAFR, Icetana, Briefcam, Digiop, and IronYun. In addition to validated performance, BCD systems are also cloud-ready through our Harmonize Bridge integration, powered by Tiger Technology, ensuring our systems can scale with the growing AI needs of your business.

### SMART CITY ROADWAYS



### SMART SPACE VENUES



## Solution Components

### IP Camera Infrastructure

Use your existing camera infrastructure or install new, high quality, low bandwidth cameras to maximize coverage and visibility. Support for single or multiple use cases per camera.



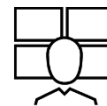
### Validated ISV

Work with leading ISV partners to offer customers state-of-the-art AI solutions that manage camera video streams with AI, turning video into useful source of data for operations teams. AI workloads are custom to the vertical deployment based on ISV expertise. All ISVs are validated under the NVIDIA Metropolis Partner Program, and heavily tested and vetted on BCD hardware in our Innovation Center.



### Video and Alarm Management

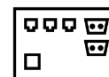
View, manage, and retrieve video from cameras across your site in a unified, user friendly interface. Integrate multiple systems including video analytics and access control systems.



## Supporting Components

### GPU Accelerated Hardware

Use BCD's NVIDIA certified servers and GPU accelerated hardware for maximum performance, reliability, and scalability.



### System Integration, Installation and Maintenance

Deploy and maintain the full system from multiple independent vendors.



### Solution Aggregation, Build and Distribution

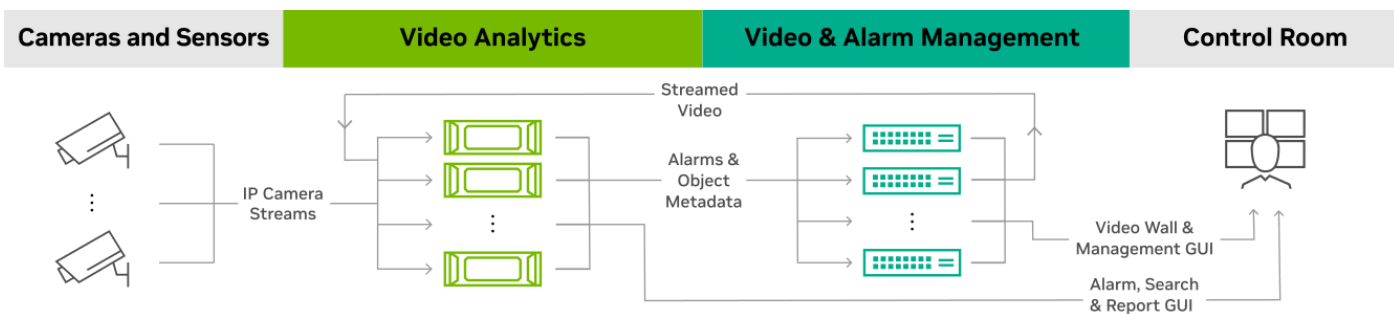
Supply and build server infrastructure needed, including pre-installation of software and support services.



## AI-Ready Hardware



System	CPU(s)	GPU(s)	AI Storage
BCD-AI-SFF-4T	(1) Intel® 12th Generation Core	(1) NVIDIA RTX A4500	4TB
BCD-AI-T3-1T	(1) Intel® 12th Generation Core	(1) NVIDIA A2000 12GB	1TB
BCD-AI-102-2T	(1) Intel® 9th Generation Core	(1) NVIDIA A4000 16GB	2TB
BCD-AI-208-8T	(2) Intel® Xeon® Silver 4210 Scalable Processors	(2) NVIDIA A4000 16GB	8TB
BCD-AI-216-8T	(2) Intel® Xeon® Gold 6338 Scalable Processors	(4) NVIDIA A4000 16GB or (2) NVIDIA A5000 24GB	8TB
BCD-AI-424-30T	(4) Intel® Xeon® Gold 6418H Scalable Processors	(4) NVIDIA A4000 16GB	16TB



### VALIDATED SOFTWARE PARTNERS

<b>IronYun</b>	The <a href="#">Vaidio platform</a> accelerates the power of AI to provide enterprise personnel with reliable, real-time situational information, faster search and response times, and valuable operational data.
<b>Rekor</b>	<a href="#">Rekor</a> utilizes AI to collect, connect, and organize data to revolutionize roadway intelligence, optimize transportation management, and improve public safety.
<b>ProHawk</b>	<a href="#">ProHawk's</a> platform reveals high-quality actionable video, regardless of environmental condition, by improving video clarity. Their flexible and interoperable platform acts as a real-time computer vision restoration solution.
<b>Icetana</b>	<a href="#">icetana</a> provides video analytics technology designed to identify abnormal events and unexpected behavior for real-time, large-scale video networks. Their software integrates with existing VMS platforms and IP cameras.
<b>Avigilon</b>	<a href="#">Avigilon Appearance Search</a> is an AI-powered VMS and analytics platform designed to detect and verify threats, improve response times and expedite investigations with an AI-enabled interface.
<b>KiwiVision</b>	<a href="#">Genetec's KiwiVision</a> is a video analytics platform that allows users to enhance their business operations through valuable insights.
<b>Briefcam</b>	<a href="#">Briefcam's</a> video content analytics platform utilizes Deep Learning solutions to enable rapid video review and search, face recognition, real-time alerting and quantitative video insights.
<b>Herta</b>	<a href="#">Herta's</a> platforms utilize computer vision AI technology to empower systems all over the world with secure, reliable, facial recognition for access control, behavioral analysis, and crowd management.
<b>Oosto</b>	<a href="#">Oosto</a> provides a vision AI platform for facial recognition that connects with existing cameras to improve video analytics and access control.
<b>Saimos</b>	<a href="#">Saimos</a> creates platforms that enhance situational awareness utilizing AI, such as Geographic Information systems (GIS), video analytics, infrastructure management, and operations security.
<b>Gorilla</b>	<a href="#">Gorilla Technology</a> provides edge AI video analytics that enable vehicle detection, behavior analysis, business intelligence, and more.
<b>AgentVi</b>	<a href="#">Irisity</a> , powered by Agent Vi, provides a comprehensive video analytics offering with capabilities ranging from real-time video analysis and alerts to video search and business intelligence.

## Additional Resources

### Supporting Materials

<https://www.bcdvideo.com/validated-analytics-solutions/>

### Websites

<https://www.bcdvideo.com/ai-ready-solutions>