
Blackjack[®] Ai[™]



Blackjack[®] Ai[™] servers and appliances
powered by DW Spectrum[®] and AI.

NDA/TAA
COMPLIANT PRODUCT



Made in U.S.A. 

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BlackjackAi™

Servers Powered by DW Spectrum and IVA Ai Server



Add the Power of Advanced Neural-Network-Based Analytics to Your Video Streams with Blackjack® Ai™.

Blackjack® Ai™ Artificial Intelligence Network Video Recorders (Ai NVR) and appliances are purpose-built solutions with built-in server-side analytics that unlocks advanced Ai capabilities on any connected video stream. This cost-effective, plug-and-play solutions, with servers powered by DW Spectrum® combine high-performance recording with video analytics in an easy-to-deploy, turnkey solution.

Understanding DW's Blackjack Ai Solutions

BlackjackAi™

Powered by DW Ai Appliance

Deep learning analytics on an appliance, connected to any DW Spectrum system for any connected stream.



BlackjackAi™

Powered by DW Spectrum and DW Ai Server

Deep learning analytics at the server for any connected stream, integrated with DW Spectrum.



Ai™ Server



DW Spectrum®



Blackjack® Ai™

All-in-One Device

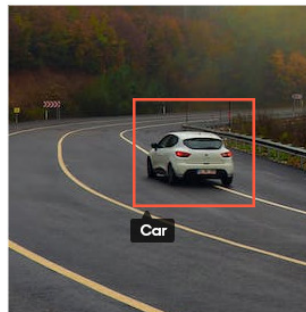
Achieve lower deployment costs with a single device that performs as an NVR and an Analytics server.

Object Classification

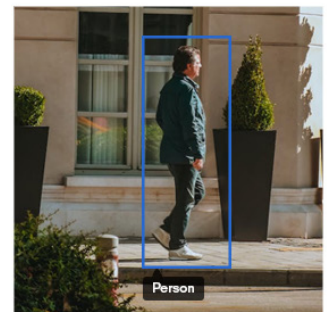
DW's AI software processes video streams to detect and classify every object appearing in the detection zone. Our Deep Learning engines perform object detection (DL Object tracker), automatically classifying the objects in the scene: bicycles, cars, counters, forklifts, motorcycles, persons, trucks, unclassified and vans.



Trucks



Cars



Humans



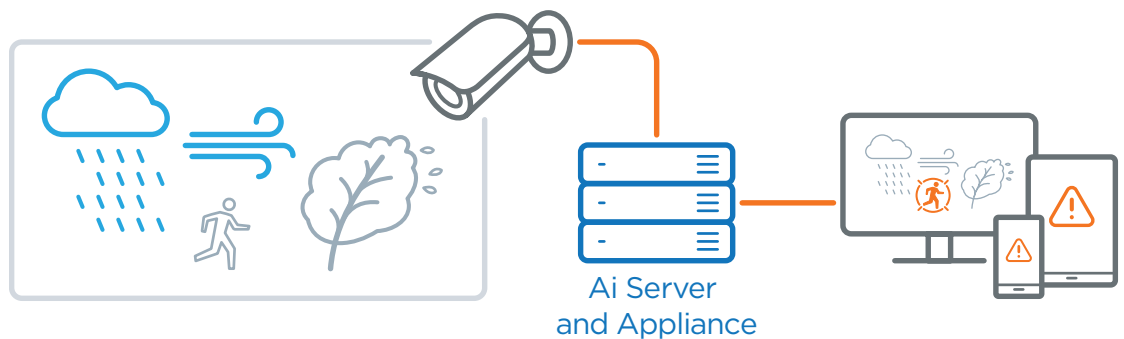


Future-proof solution

A DW AI analytics provides scalability and optimization of resources across a system. New analytics can be added to your site, making your system future-proof without infrastructure expansion.

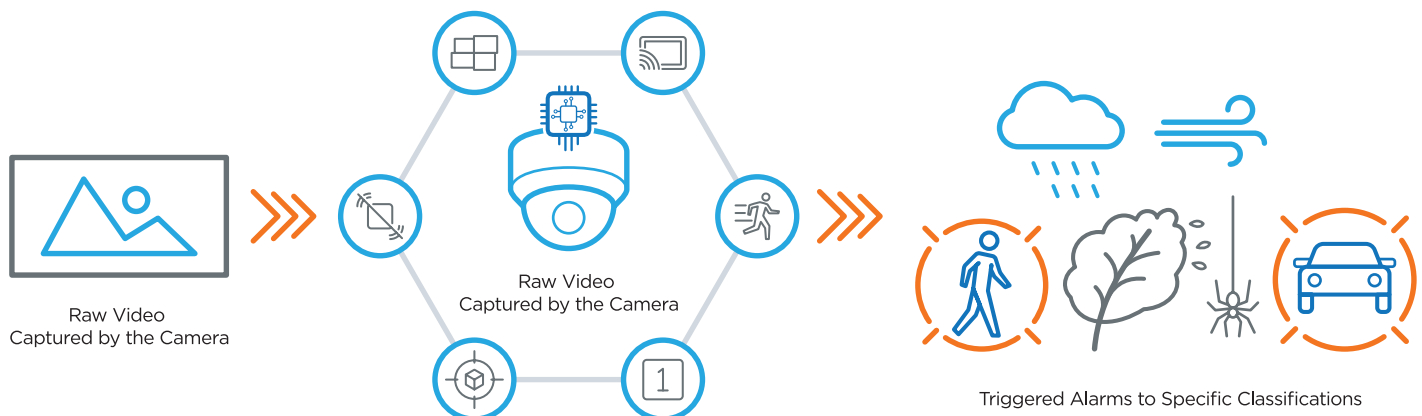
Server-Side Analytics for Any Video Stream

Bring server-side classified object detection to any video stream in your system.



Logical Rules

Blackjack Ai servers combine multiple zones and virtual tripwires to create elaborate, multiple trigger point rules for a greater event detection level.



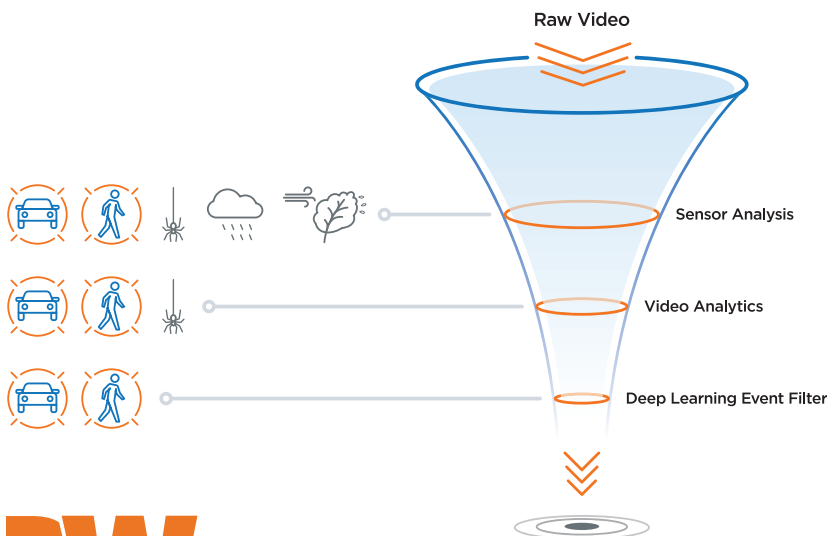


Easy setup (no calibration)

DW's AI allows operators to choose what to detect and where; with a user-friendly and straightforward UI, users can set up multiple scenarios specific to their monitoring needs without complex calibration.

Lower total cost of ownership

Combining Blackjack NVRs with an AI Appliance pre-installed, users can achieve a lower total cost of ownership with both flexibility and scalability with a video recording solution enhanced with deep-learning video analytics in a single appliance for any camera network.



Deep Learning

Blackjack Ai server-side intelligent algorithms offer deep learning with better object classification and identification of environmental elements. The result is substantially reduced false alarms, allowing only valid events to filter through Blackjack Ai servers to increase efficiency and productivity, and reduces unnecessary costs.





Smart Storage Management

Manage your recording storage smarter by fine-tuning events and alarms to be recorded. Combining Ai analytics, logic rules and non-detection zones, users can create conditions unique to their environment people and objects must trigger to activate an alarm.



Seamless Integration with DW Spectrum

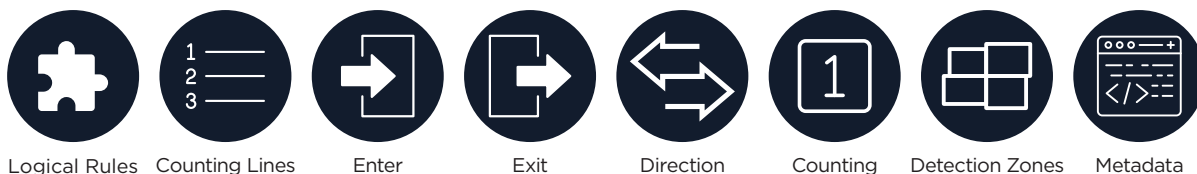
The Blackjack AI NVRs combine Ai analytics and DW Spectrum in a single platform, empowering users to mix and match DW analytics with any camera to optimize deployment and use the best camera to suit your site's requirements.



Blackjack Ai servers include all the Intelligent Video Analytics and advanced Video Content Analysis detection capabilities of the Ai engine. In addition, Ai servers empower users with deep learning objects and people tracking and color filters.



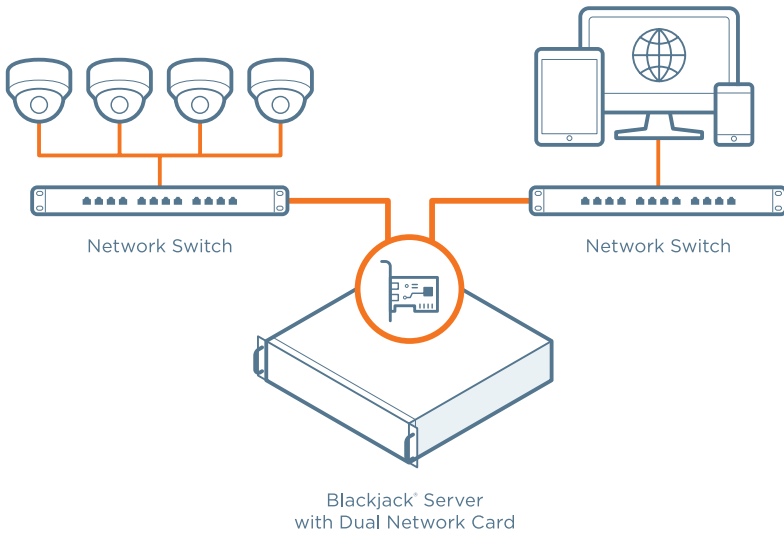
Deep Learning Object Detection



Logical Rules Counting Lines Enter Exit Direction Counting Detection Zones Metadata



Intrusion Tailgating Appear Disappear Stopped Line Crossing Tamper

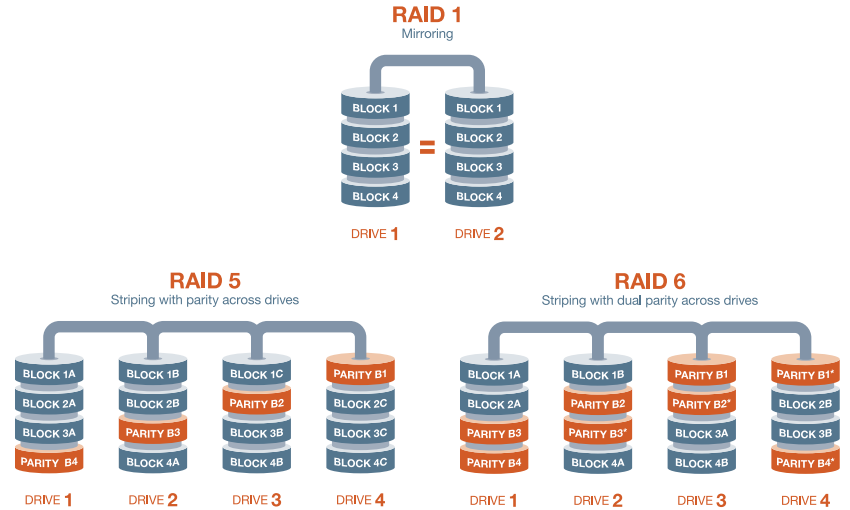


Dual Network Ports

Optimize network bandwidth by utilizing dual network ports to build a separate network for the surveillance system and keep that traffic off the main network, reserved for the NVR's communication.

RAID Storage Mirroring*

Add extra security to your video surveillance system by protecting recorded data and overcoming data loss in the case of a hard drive failure.



Mouse & Keyboard Included

Blackjack® servers come with a USB mouse and keyboard included at no extra cost.



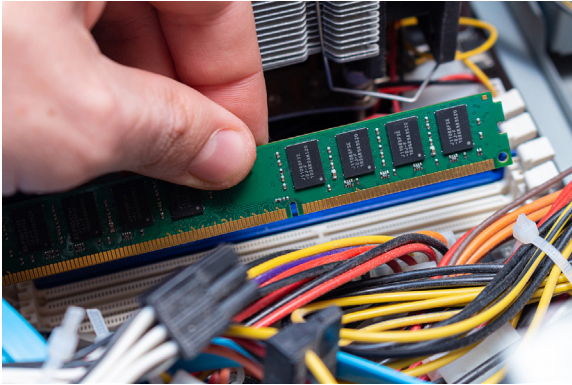
ONVIF® conformant*

All Blackjack solutions are ONVIF conformant, creating a truly unique solution, to match your specific needs.



Rail Kit Included*

All rackmount servers come with the rail kits at no extra cost for easy out-of-the-box installation.

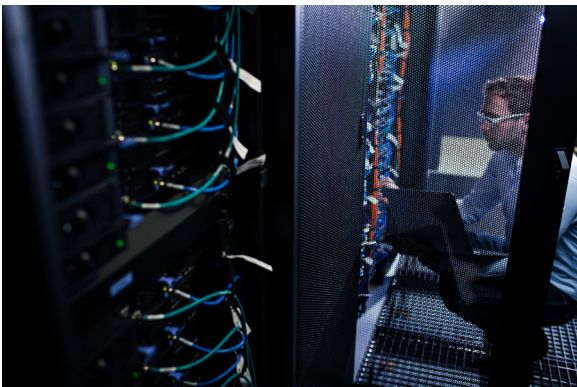


Designed and Comissioned in the U.S.A

All DW recorders, workstations and NAS devices are designed, assembled and inspected in our California facility. Each product undergoes multiple levels of quality control to guarantee the highest quality and performance.

OS on dedicated SSD

DW's servers provide a dedicated SSD for the OS. This results in faster boot time, faster application loading times and improved system responsiveness.



Next business day onsite hardware repair after remote diagnosis*

If an issue occurs with your product that cannot be resolved by phone, DW will dispatch a certified technician to attempt repair of your machine at your place of business, usually the next business day.

NDAA/TAA Compliant

DW IP cameras, analog cameras, NVRs, DVRs, network devices and management software sold and distributed worldwide are designed and developed in the U.S.A. and Korea, with manufacturing in Korea, Vietnam and Taiwan.

Most DW products qualify for GSA Schedule Contracts and other government opportunities because they are TAA and NDAA compliant.



NDAA/TAA
COMPLIANT PRODUCT



Trade
Agreements
Act FAR 52.225-5

All-in-One NVR and Analytics Appliance

AI Servers:

NDA/TAA
COMPLIANT PRODUCT



PART NUMBER		Blackjack Ai Rack™ 2U w/RAID (DW-BJAi2RxxTR)	Blackjack Ai Rack™ 2U w/RAID (DW-BJAiRxxTR)	Blackjack Ai P-Rack™ 2U w/RAID (DW-BJAiPxTR)	Blackjack Ai Tower™ full-size (DW-BJAiTxxTR)	Blackjack Ai™ slim desktop (DW-BJAiDxxT)	Blackjack Ai™ Slim Desktop with Hailo AI Processor (DW-BJAiHDX71xxT)	Blackjack Ai™ Slim Desktop with Hailo AI Processor (DW-BJAiHDX51xxT)
Included DW Spectrum IP Licenses		8 (2x DW-SPECTRUMLSC004)		4 (DW-SPECTRUMLSC004)	4 (DW-SPECTRUMLSC004)			
Included DW Ai Server Licenses		8 (2x DW-DWAIISLSC004)		4 (DW-DWAIISLSC004)	4 (DW-DWAIISLSC004)			
Form Factor		2U Rackmount			Full-Size Tower	Slim Desktop	Slim Desktop	Slim Desktop
Operating System		Windows 10 64 Bit on 2 x 240GB NVMe SSD (RAID1)		Windows 10 64 Bit on 480GB SSD		Windows 11		
CPU		Dual XEON Gold 6248R	XEON Gold 6248R	Intel® i7 processor	Intel® i7 processor		Intel® Core™ i7 processor	Intel® Core™ i5 processor
Memory		64GB	32GB	32GB	32GB		16GB	16GB
System	Max Video Storage rate (Mbps)	320Mbps	320Mbps	320Mbps	320Mbps	480Mbps	480Mbps	320Mbps
Storage	Max # of Analytic Streams (Secondary)	Up to 128	Up to 64			Up to 10		Up to 10
	Maximum Storage	160TB, RAID5		120TB, RAID5	120TB, RAID5	40TB	40TB	40TB
Video-Out	Outputs	1x Display Port, for system configuration						
Preloaded VMS Software		DW Spectrum						
Preloaded Analytic Software		DW Ai Server						
Rail Kit		Included	Included	Included	N/A			
Warranty		5 year HW warranty with next day on-site repair after remote diagnosis, keep your drive		5 year limited	5 year limited	5 year limited	5 year limited	5 year limited

AI Appliances:

NDA/TAA
COMPLIANT PRODUCT



PART NUMBER		Blackjack Ai APPLIANCE (DW-BJAiASL)	Blackjack Ai APPLIANCE (DW-BJAiARA2)	Blackjack Ai APPLIANCE (DW-BJAiAR2PA2)	Blackjack Ai APPLIANCE (DW-BJAiARA4)	Blackjack Ai APPLIANCE (DW-BJAiAR2PA4)
Included DW Spectrum IP Licenses		N/A				
Included DW Ai Server Licenses		4 (DW-DWAIISLSC004)				
Form Factor		Slim Desktop	2U Rackmount	2U Rackmount	2U Rackmount	2U Rackmount
Operating System		Windows 10 IoT LTSC on separate SSD	Windows 10 IoT LTSC on separate RAID1 configured m.2 NVMe SSD			
CPU		12th Gen Intel® Core™ i7 processor	Intel XEON Silver 4215R	2 x Intel XEON Silver 4215R	Intel XEON Silver 4215R	2 x Intel XEON Silver 4215R
Memory		32GB	32GB	64GB	32GB	64GB
System	Max # of Analytic Streams (Secondary)	Up to 64	Up to 24	Up to 48	Up to 32	Up to 64
Video-Out	Outputs	1x mini Display Port, for system configuration			1x Display Port, for system configuration	
Preloaded Analytic Software		DW Ai Server				
Rail Kit		N/A	Included			
Warranty		5 years limited warranty	5 year HW warranty with next day on-site repair after remote diagnosis			

*** An uninterrupted power supply (UPS) is recommended.

Designed and Commissioned in the U.S.A

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