
Blackjack[®] Ai[™]



Blackjack[®] Ai[™] servers powered
by DW Spectrum[®] and IVA[™]

NDAA/TAA
COMPLIANT PRODUCT



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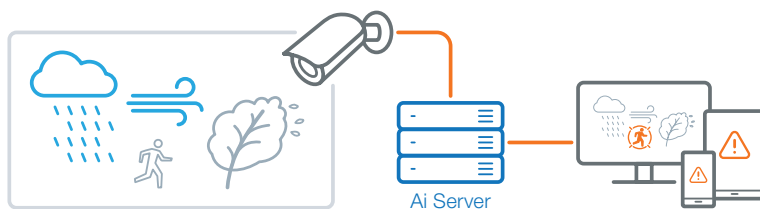


Blackjack[®] Ai[™] servers powered by DW Spectrum[®] and Ai[™]

Blackjack[®] Ai[™] Artificial Intelligence Network Video Recorder (Ai NVR) is a purpose-built solution with built-in server-side analytics that unlocks advanced Ai capabilities on any connected video stream. This cost-effective, plug-and-play appliance, powered by DW Spectrum[®] IPVMS, combines high-performance recording with video analytics in an easy-to-deploy, turnkey solution. Add the power of advanced neural-network-based analytics to your video streams with Ai NVR.

Server-Side Analytics for Any Video Stream

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



Ai[™] Server



DW Spectrum[®] IPVMS



Blackjack[®] Ai[™]

All-in-One Device

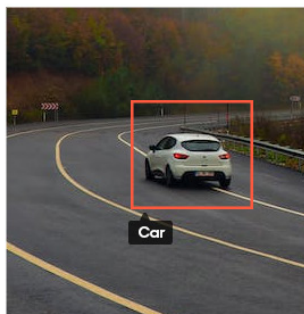
Achieve lower deployment costs with a single device that performs as an NVR and an Analytics server.

Object Classification

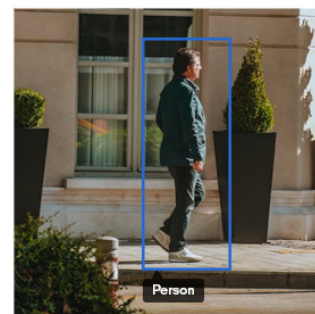
DW's Ai software processes video streams to detect and classify every object appearing in the detection zone. Our Deep Learning engines perform object detection (DL Object tracker), automatically classifying the objects in the scene: people, cyclists, cars, buses and vans, trucks, motorcycles, bicycles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



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.

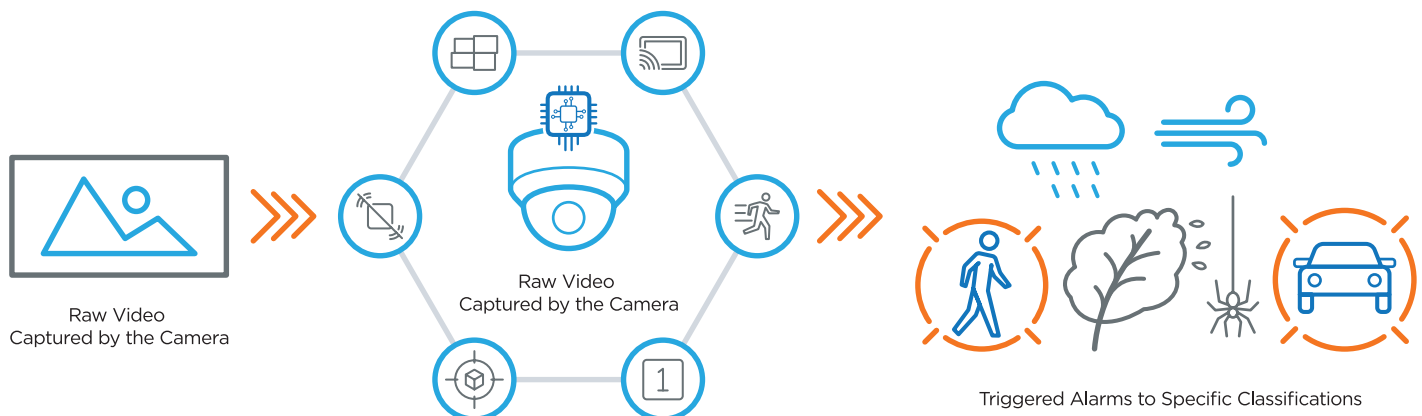
Lower total cost of ownership

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.



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.

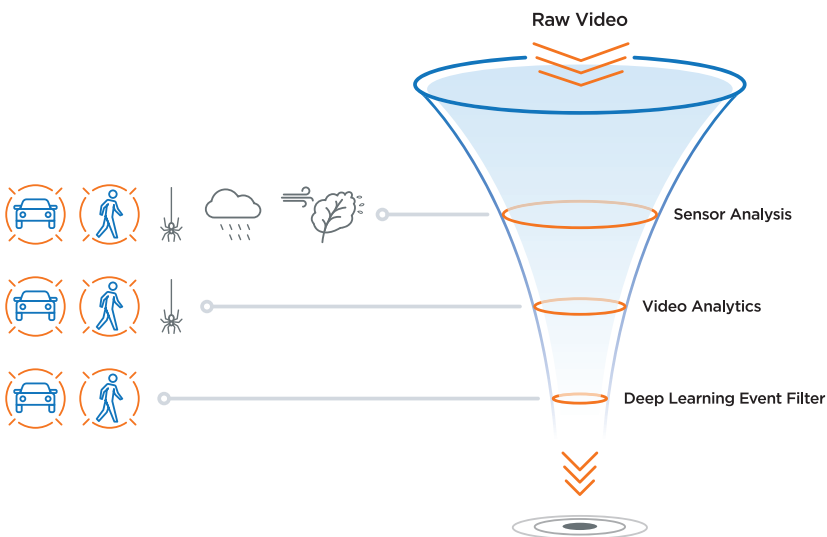
Smart Storage Management

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.



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.



Seamless Integration with DW Spectrum IPVMS

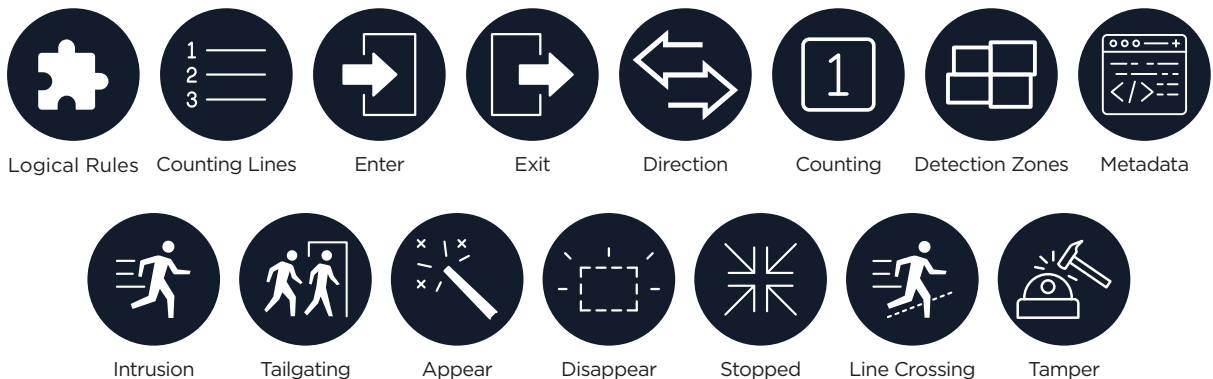
The Blackjack AI NVRs combine Ai analytics and DW Spectrum IPVMS in a single platform, empowering users to mix and match DW analytics with any camera to optimize deployment and use the best camera to suit your site's requirements.



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.



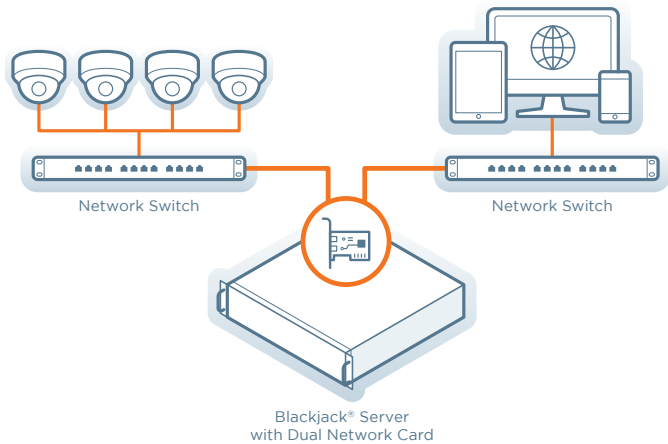
Deep Learning Object Detection



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.



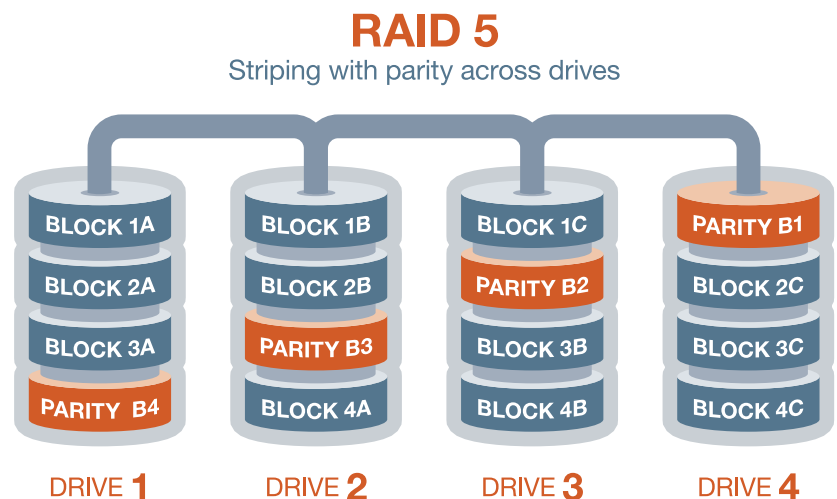


Dual Network Cards

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.



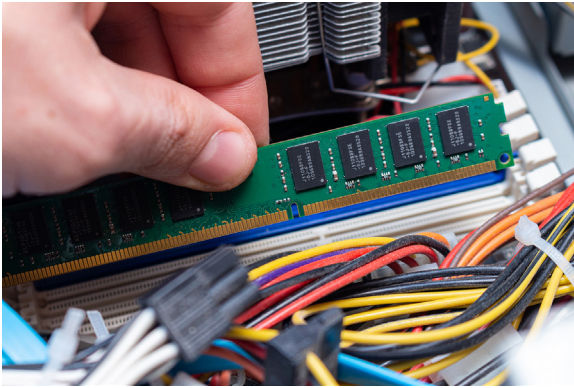
USB Mouse and Keyboard Included

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



Rail Kit Included*

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

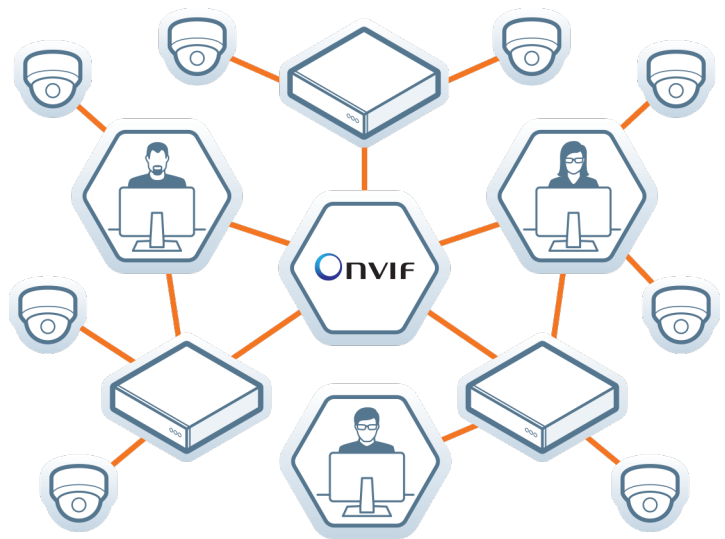


Designed and Comissioned in the U.S.A

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.

ONVIF® conformant

All Blackjack servers, NAS and workstations are ONVIF conformant, allowing users to bring our robust solutions to any surveillance system with other ONVIF components, creating a truly unique solution, to match your specific needs.



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.



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Trade
Agreements
Act FAR 52.225-5

Powered by DW Spectrum® IPVMS Ai Servers:



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PART NUMBER		Blackjack Ai P-Rack™ 2U w/RAID (DW-BJAiPxxTR)	Blackjack Ai Tower™ full-size (DW-BJAiTxxTR)	Blackjack Tower™ mid-size (DW-BJAiMTxxT)
Included DW Spectrum IP licenses		8 (2x DW-SPECTRUMLSC004)	4 (DW-SPECTRUMLSC004)	
Included Ai Licenses		8 (2x DW-IVAAiSLSC004)	4 (DW-IVAAiSLSC004)	
Form factor		2U Rackmount	Full-size Tower	Mid-size Tower
Operating system		Windows 10 64 Bit on 480GB SSD		
CPU		Intel® i7 processor	Intel® i7 processor	
Memory		32GB	32GB	
Ethernet port		2x gigabit Ethernet ports (RJ45)	2x 1G Ethernet	
System	Max video storage rate (Mbps)	600 Mbps	600Mbps	480Mbps
Storage	Max # of analytic streams (secondary)	Up to 64		
	Maximum hard drives	6 x SATA HDD	6 x 3.5 SATA HDD, Hot-Swappable	3 x 3.5 SATA HDD
	Maximum storage	96TB, RAID5	96TB, RAID5	48TB
	RAID	RAID5	RAID5	N/A
Video-Out	Outputs	1xTrue HD, 3x Display Port, for system configuration. Maximum 1 display output at a time.		
	Video card	NVIDIA RTX A2000 12GB	NVIDIA RTX A2000 12GB	NVIDIA RTX A2000 12GB
Preloaded VMS software		DW Spectrum IPVMS		
Preloaded Analytic software		DW Ai Server		
Remote clients		Cross Platform - Windows, Linux Ubuntu and Mac		
Mobile apps		iOS and Android		
Keyboard and mouse		Included		
Rail kit		Included	---	
Power supply		500W**		
Operating temperature		41°F-104°F (5°C-40°C)		
Dimension (WxDxH) (inches)		17.29" x 21.93" x 3.5"	8.6" x 19.12" x 16.83"	7.46" x 15.7" x 14.21"
Warranty		5 year limited	5 year limited	5 year limited

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

Designed and Commissioned in the U.S.A

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