Blackjack®Ai™

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

DW®

Made in U.S.A.

BlackjackAi™
Servers Powered by DW Spectrum and IVA Ai Server

# Blackjack® Ai™ servers powered by DW Spectrum® and IVA™

Blackjack® Ai™ Artificial Intelligence Network Video Recorder (Ai NVR) is a purpose-built solution, with built-in server-side analytics that unlock 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.
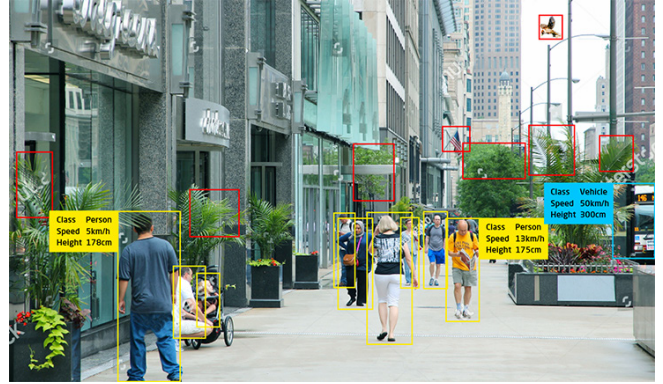
Add the power of advanced neural-network-based analytics to your video streams with Ai NVR.

Server-Side Analytics for Any Video Stream
Bring server-side classified object detection to any video stream in your system.
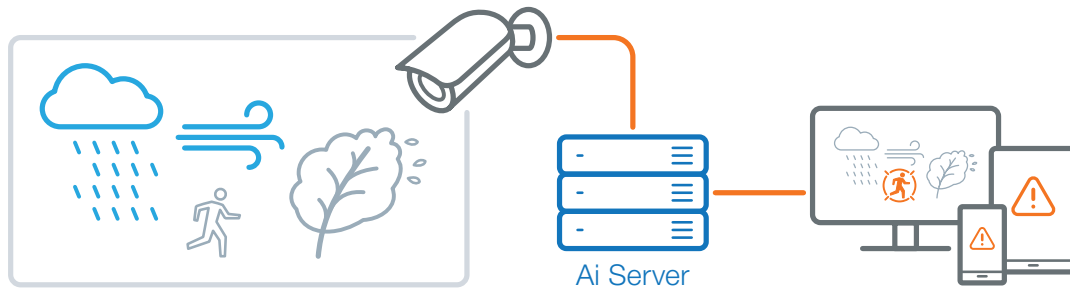
Ai Server

All-in-One Device
Achieve lower deployment cost with a single device that performs as an NVR and an Analytics server.

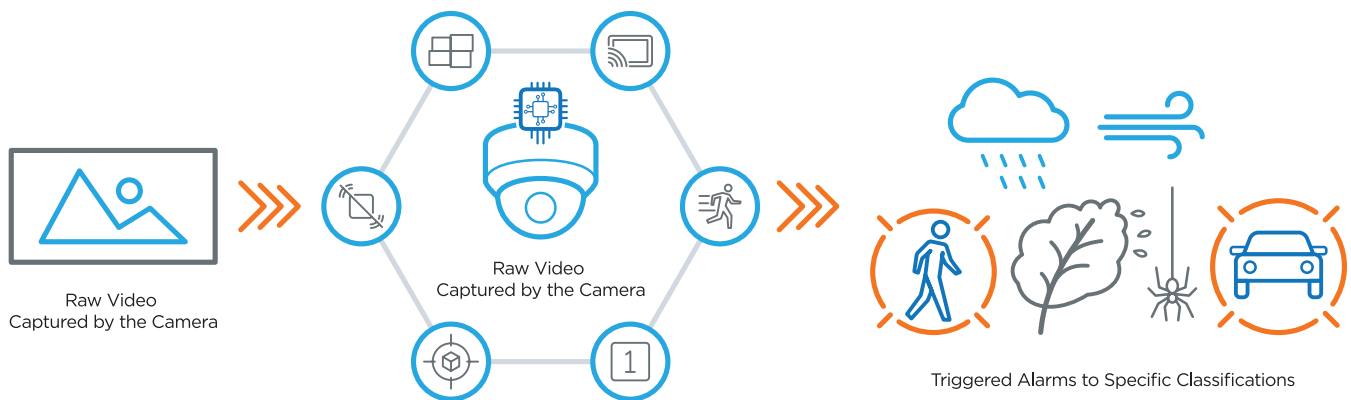IVA™ Ai Server   DW Spectrum® IPVMS   Blackjack® Ai™

DW
DIGITAL WATCHDOG®

Remote Notifications

Receive real-time alerts based on video and analytical rules on any mobile device.

Logical Rules

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

Raw Video
Captured by the Camera

Raw Video
Captured by the Camera

Triggered Alarms to Specific Classifications

Stay current with all DW® solutions at: **www.Digital-Watchdog.com**

All-in-One NVR and Analytics Appliance

Smart Storage Management

Manage your recording storage smarter by fine-tuning events and alarms to be recorded. Combining IVA 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 a substantial reduction in false alarms for control room operators and security personnel. Allowing only valid events to filter through Blackjack Ai servers increases efficiency, productivity, and reduces unnecessary costs.

Raw Video

Sensor Analysis

Video Analytics

Deep Learning Event Filter

DW
DIGITAL WATCHDOG®
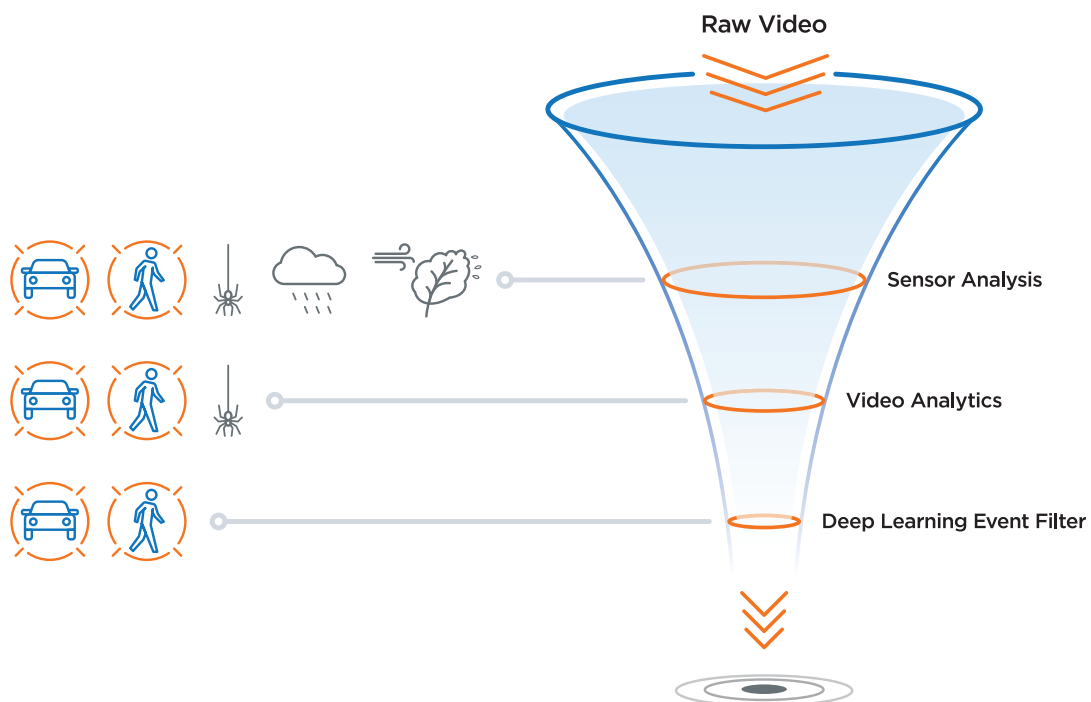
Seamless Integration with DW Spectrum IPVMS

Blackjack Ai server-side analytics are seamlessly integrated with DW Spectrum IPVMS for easy configuration, real-time alerts and automatic notifications.

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

Presence	Object Recognition		
Zones	Tamper Detection	Presence	DL Filter

Counting	Object Counting						
Zones	Tamper	Counting	Counting Lines	Presence	Dwell Filter	Direction Filter	DL People Tracker

Pro	Linking rules and creating complex filters allowing users to reduce false alarms						
Zones	Tamper	Presence	Counting	Counting Lines	Appear	Disappear	Stopped
Enter	Exit	Dwell Filter	Tailgating	Object Left	Metadata	Logical Rules	Direction
DL Filter	DL People Tracker	Object Tracker					

All-in-One NVR and Analytics Appliance

USB Mouse and Keyboard Included

Get wide views and forensic details from one camera. Create dedicated zoomed screens in the monitoring software to get the details that matter most.

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.
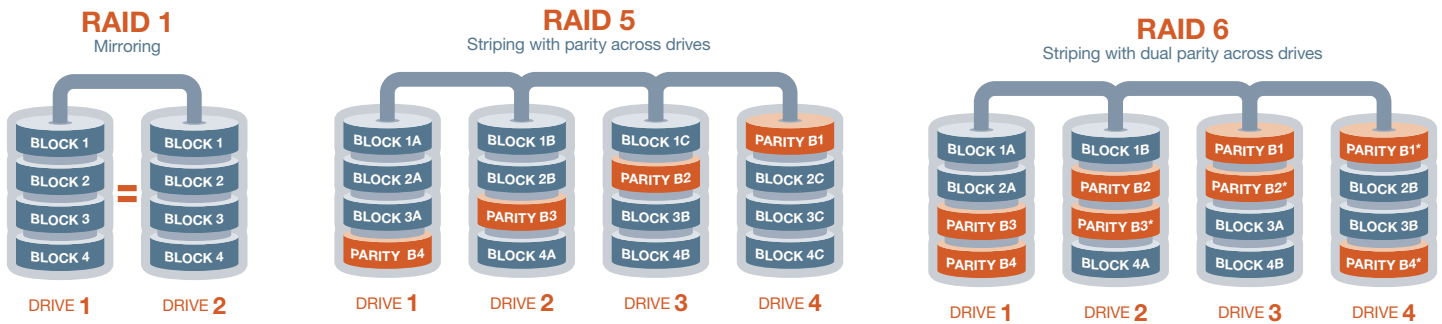
Network Switch

Network Switch

Blackjack® Server
with Dual Network Card

DW
DIGITAL WATCHDOG®
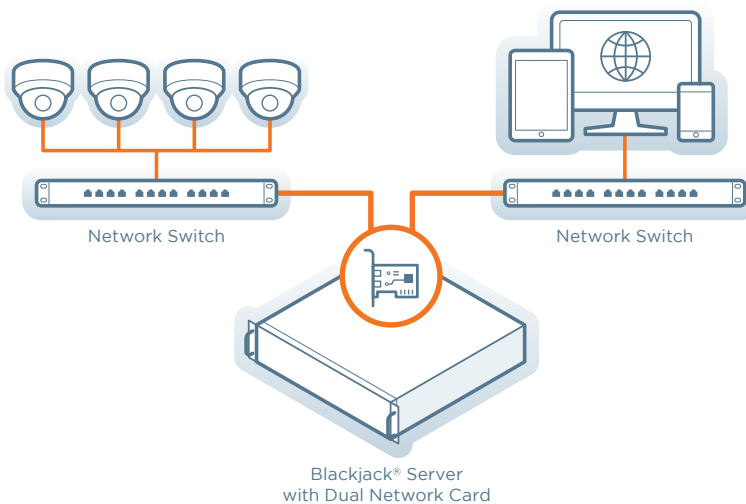
Railkit Included

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

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.

RAID 1
Mirroring

BLOCK 1	BLOCK 1
BLOCK 2	BLOCK 2
BLOCK 3	BLOCK 3
BLOCK 4	BLOCK 4
DRIVE **1**	DRIVE **2**

RAID 5
Striping with parity across drives

BLOCK 1A	BLOCK 1B	BLOCK 1C	PARITY B1
BLOCK 2A	BLOCK 2B	PARITY B2	BLOCK 2C
BLOCK 3A	PARITY B3	BLOCK 3B	BLOCK 3C
PARITY B4	BLOCK 4A	BLOCK 4B	BLOCK 4C
DRIVE **1**	DRIVE **2**	DRIVE **3**	DRIVE **4**

RAID 6
Striping with dual parity across drives

BLOCK 1A	BLOCK 1B	PARITY B1	PARITY B1*
BLOCK 2A	PARITY B2	PARITY B2*	BLOCK 2B
PARITY B3	PARITY B3*	BLOCK 3A	BLOCK 3B
PARITY B4	BLOCK 4A	BLOCK 4B	PARITY B4*
DRIVE **1**	DRIVE **2**	DRIVE **3**	DRIVE **4**

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.

BlackjackAi™
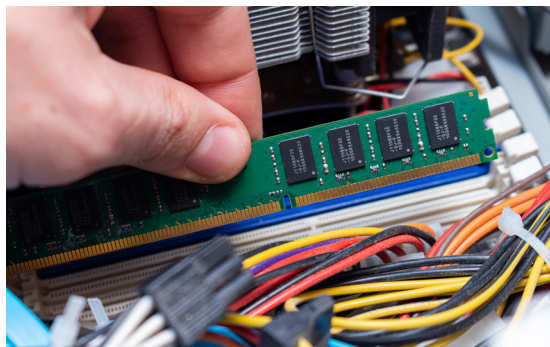
NDAA/TAA Compliant

DW® IP cameras, analog cameras, NVRs, DVRs, network devices and management software sold and distributed worldwide are designed and developed in U.S.A. and Korea. Manufactured in Korea.

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

NDAA/TAA COMPLIANT PRODUCTS **GSA** Trade Agreements Act FAR 52.225-5

High Performance Hardware

By providing quick deployment and easy setup Blackjack Ai servers combine high-performance recording with video analytics in an easy-to-deploy turnkey solution.

Powered by DW Spectrum® IPVMS and IVA Servers:

Model	Blackjack Ai P-Rack™ 2U - 12 Bay	Blackjack Ai Full-Size Tower™, RAID	Blackjack Ai Mid-Size Tower™
Included DW Spectrum IP licenses	4	4	4
Included IVA Ai Licenses	4	4	4
Form Factor	2U rackmount	Full-size tower	Mid-size tower
Max video Storage Rate (Mbps)	600Mbps	600Mbps	480Mbps
Max # of analytic streams (secondary)	Up to 64	Up to 64	Up to 64
Storage	96TB raw storage	112TB raw storage	48TB
Certifications	ONVIF, NDAA, TAA	ONVIF, NDAA, TAA	ONVIF, NDAA, TAA
Warranty	5 year limited	5 year limited	5 year limited

Contact us:

California Office
16220 Bloomfield Avenue
Cerritos, California USA 90703
Hours: 8:00am – 5:00pm PST.

Florida Office
5436 West Crenshaw Street
Tampa, Florida USA 33634
Hours: 8:30am – 5:30pm EST.

Phone (Toll-Free)..1.866.446.3595
Fax...1.813.888.9262
Customer Service (U.S.)...1.866.446.3595
Customer Service (International)...........................1.813.888.9555
Customer Service (French).................................1.514.360.1309
Sales Email...sales@digital-watchdog.com
Tech Support Email........technicalsupport@digital-watchdog.com

: 866.446.3595

: sales@digital-watchdog.com

: www.digital-watchdog.com

DW®