Blackjack®

Servers Powered by DW Spectrum® IPVMS

NDAA/TAA
COMPLIANT PRODUCTS

Scalable, enterprise-level servers, powered by DW Spectrum® IPVMS.

DW
DIGITAL WATCHDOG®

What are Blackjack® servers?

DW's Blackjack® servers powered by DW Spectrum® are robust and user-friendly video management solutions, highly optimized to provide unlimited scalability, unmatched bandwidth savings and simplified system setup and management. The architecture is cross-platform supporting Windows®, Linux® and MAC® platforms for complete optimization to match any application.

DISCOVER	MANAGE	VIEW	INTEGRATE
IP Cameras (ONVIF, Custom)	IP Cameras / NVRs / DVRs	Live Video (adaptive)	HTTP Generic Events
RTSP / HTTP Streams	Advanced Routing	Recorded Video (adaptive)	HTTP Request-as-an-Action
I/O Devices	Storage (HDD/NAS/DAS)	Server Health	Server API
Samba NAS	Events and Rules Engine	Log Files	Storage SDK
Virtual Camera	Failover	Audit Trail	Video Source SDK
H.265 on ONVIF Cameras	Transcoding	Storage Status	Any Device or System
Webcam Support	Failover on Storage Failure	Dual-Stream RTSP	C2P Integration
	System Update	Layout-as-an-Action	Metadata SDK
		Health monitoring Dashboard	Plugins
		Intel Quick Sync Video	

Rackmount Servers

High-capacity, industry compliant rackmount servers are ideal for any enterprise solution with multiple locations and monitoring capabilities.

Desktop Servers

Desktop solutions, enterprise capabilities.

SMB and single-location servers

Small yet powerful servers, with setup-and-go installations.

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Blackjack® Rackmount Servers:

Model	Blackjack® P-Rack™ 1U	Blackjack® P-Rack™ 2U	Blackjack® P-Rack™ 2U w/RAID	Blackjack® E-Rack™ 2U - 12 Bay	Blackjack® E-Rack™ 3U - 16 Bay
Included Licenses	4	4	4	8	8
Form Factor	1U rackmount	2U rackmount	2U r ackmount	2U rackmount	3U rackmount
Max video Storage Rate (Mbps)	360Mbps	600Mbps	600Mbps	600Mbps	600Mbps
Storage	48TB	112TB	96TB raw storage	120TB raw storage	160TB raw storage
Certifications	ONVIF, NDAA/TAA	ONVIF, NDAA/TAA	ONVIF, NDAA/TAA	ONVIF, NDAA/TAA	ONVIF, NDAA/TAA
Warranty	5 year limited	5 year limited	5 year limited	5 year limited	5 year limited

Model	Blackjack® E-Rack™ 4U - 24 Bay	Blackjack® E-Rack™ 4U - 36 Bay	Blackjack® Rack™ 2U - 12 Bay	Blackjack® X-Rack™ 2U
Included Licenses	8	8	8	8
Form Factor	4U rackmount	4U rackmount	2U rackmount	2U rackmount
Max video Storage Rate (Mbps)	600Mbps	600Mbps	600Mbps	1200Mbps
Storage	240TB raw storage	320TB raw storage	192TB raw storage	Up to 540TB via 4x DW-BJNAS
Certifications	ONVIF, NDAA/TAA	ONVIF, NDAA/TAA	UL listed, ONVIF, NDAA/TAA	ONVIF, NDAA/TAA
Warranty	5 year limited	5 year limited	5 year warranty, next business day on-site hardware service, keep your hard drive	5 year limited

DW servers, powered by DW Spectrum® IPVMS.

Blackjack® Rackmount Servers:

Model	Blackjack® Full-Size Tower™, UL-listed, i7 processor	Blackjack® Full-Size Tower™, UL-listed, i7 processor, RAID	Blackjack® Mid-Size Tower™, UL-listed, i3 processor	Blackjack® Mid-Size Tower™, UL-listed, i5 processor	Blackjack® Mid-Size Tower™, UL-listed, i7 processor	Blackjack® Cube-LX™
Included Licenses	4	4	4	4	4	4
Form Factor	Full-size tower	Full-size tower	Mid-size tower	Mid-size tower	Mid-size tower	Mid-size tower
Max video Storage Rate (Mbps)	600Mbps	Up to 600Mbps	180Mbps	360Mbps	480Mbps	80Mbps
Storage	112TB	112TB raw storage	20TB	48TB	48TB	18TB
Certifications	UL listed, ONVIF, NDAA/TAA	UL listed, ONVIF, NDAA/TAA	UL listed, ONVIF, NDAA/TAA	UL listed, ONVIF, NDAA/TAA	UL listed, ONVIF, NDAA/TAA	ONVIF, NDAA/TAA
Warranty	5 year limited	5 year limited	5 year limited	5 year limited	5 year limited	5 year limited

Model	Blackjack® Cube™	Blackjack® Cube-DL™	Blackjack® Mini™	Blackjack® Bolt™
Included Licenses	4	4	---	4
Form Factor	Mid-size tower	Mid-size tower	Slim Desktop	Slim Desktop
Max video Storage Rate (Mbps)	360Mbps	480Mbps	60Mbps	80Mbps
Storage	18TB	20TB	20TB	16TB
Certifications	ONVIF, NDAA/TAA	ONVIF, NDAA/TAA	ONVIF, NDAA/TAA	ONVIF, NDAA/TAA
Warranty	5 year limited	5 year limited	5 year limited	5 year limited

Key Technologies

DW Spectrum® IPVMS

Access and control from your phone or tablet: Our iPhone® and Android® app allow you to check in on your business from across town or across the country.

Dual Power Supply

Redundacy for reliability.

Primary power supply

Blackjack® devices

UPS
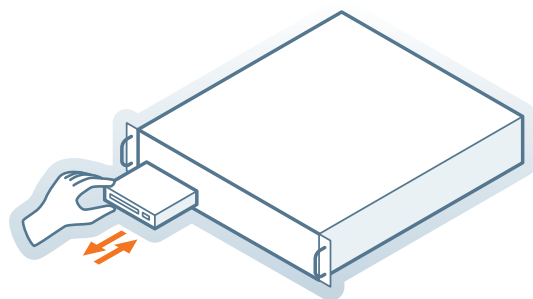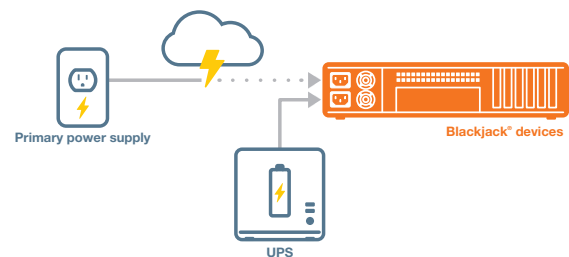
Hot Swappable Drives*

When a drive needs to be replaced, you can easily hot-swap it with a new one, while the system is still running. There is no need to power down and lose important minutes of data to maintain your system's drives healthy and operating.

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 servers, powered by DW Spectrum® IPVMS.
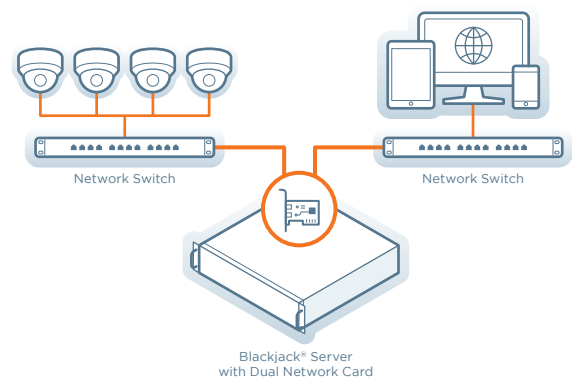
RAID Storage Mirroring*

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**

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.

Railkit Included

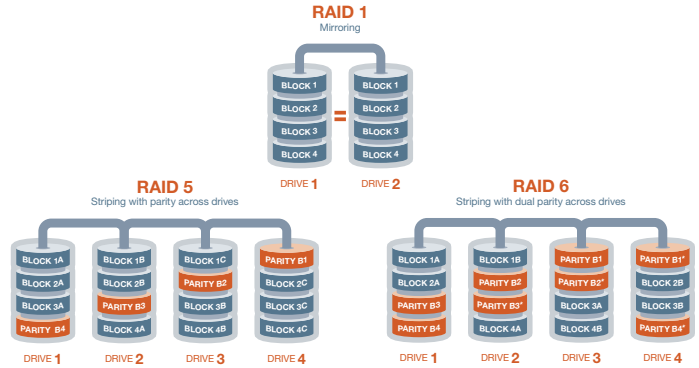All Blackjack® rackmount servers come with the rail kits included at no extra cost for easy out-of-the-box installation.
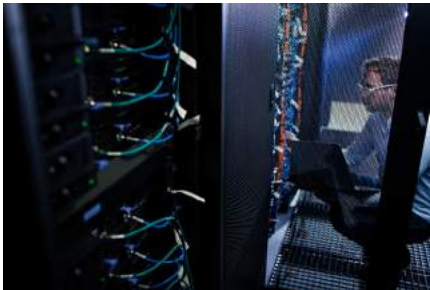
Next business day onsite hardware repair after remote diagnosis

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.

Keep your drive after replacement to ensure data security

Our Keep Your Drive Warranty delivers users replacement hard drives, without the need to return the defective drives. Users can keep their drives and protect their data and their customer's privacy.

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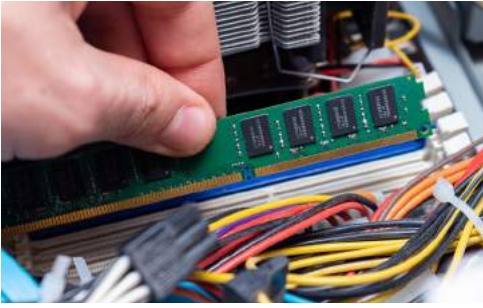
Designed and comissioned in the U.S.A

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

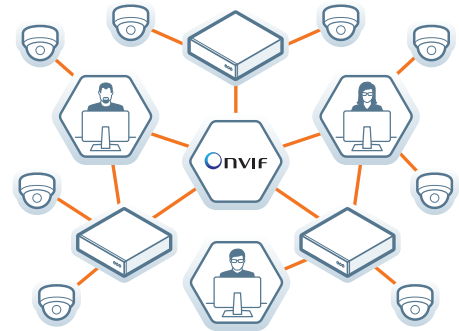All Blackjack servers, NAS and workstations are ONVIF conformant, allowing users to bring our robust solutions to any surveillance system with other ONVIF components, creating a truly unique solution, to match your specific needs.

Operating Systems

Blackjack servers ofer customization with Windows, Windows Server, Linux and Embedded Linux OS options. Remote monitoring solutions are also available for Android and iOS devices with complete cross-platform compatibility.

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.

Blackjack Monitoring Workstations

These high performance multi-monitor workstations are powered by DW Spectrum IPVMS and provide the ultimate solution to viewing and monitoring multiple Blackjack servers and multi-sensor Megapix® DWC-PZV2M72T and DWC-PZ21M69T cameras from a single location.

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C2P Integration Workstation

The Blackjack® C2P™ Server is a dedicated station to facilitate the integration of DW Spectrum IPVMS with C2P (Convergence to Pixel®) products.

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 TAA / NDAA compliant.

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