

# Blackjack Ai™ RACK SERVER

All-in-One NVR and Analytic Appliance, Powered by DW Ai  
DW-BJAI2RxxT



**NDAA/TAA**  
COMPLIANT PRODUCT



**64-160TB**

64-160TB Raw Storage



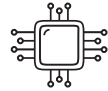
320Mbps Throughput



AI Server



RAID



Dual Intel Xeon Processors

**5 YEAR**

Warranty

## Summary

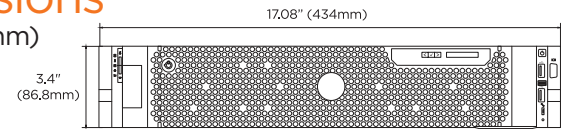
Blackjack® Ai™ Rack Artificial Intelligence Network Video Recorders (AI NVR) are purpose-built servers, with built-in server-side analytics that unlock advanced AI capabilities on any connected video stream. These cost-effective, plug-and-play appliances combine high-performance recording with video analytics in an easy-to-deploy turnkey solution. The NDAA/TAA compliant, UL listed servers feature up to 320Mbps throughput, dual Intel® Xeon processors and come preloaded with DW Spectrum® IPVMS and eight complimentary recording licenses. Add the power of advanced neural-network-based analytics to your video streams with a Blackjack Ai NVR. The servers come complete with a 5 year, on-site, Next Business Day\*, Keep Your Hard Drive warranty to ensure peace of mind.

## Features

- Hosting Intelligent Video Analytics Ai software deep learning and color filter
- Server-side analytics for non-analytic cameras
- Deep Learning classifiers
- A single device for NVR and Analytics server for lower deployment cost
- Record and manage single- and multi-sensor IP cameras of any resolution up to 320Mbps throughput
- Up to 128 analytic streams
- 64-160TB raw internal storage with RAID options
- Hot Swappable HDDs
- OS RAID 1, data RAID5 with dedicated RAID controller
- Redundant power supply
- Dedicated GPU for client application for easy configuration
- Dual Intel® Xeon® processor
- 2x 10Gb SFP+, 2x 1Gb base-T network ports
- Windows 10® on separate SSD
- Hosting DW Spectrum® for setup, configuration, monitoring and recording
- One-time recording license charge, fully transferable between cameras and encoders
- Two (2) 4-channel licenses included for a total of 8 recording channels (DW-SPECTRUMLSC004)
- Two (2) 4-channel Ai license included (DW-DWAI SLSC004)
- No annual maintenance fees
- Rail kit included
- USB mouse and keyboard included
- Designed, assembled and tested in the U.S.A.
- Keep your failed drive warranty and retain your data
- UL Listed
- NDAA/TAA compliant
- 5 year warranty, next business day on-site hardware service\*, keep your hard drive - \*after remote diagnosis

## Dimensions

Unit: Inch (mm)



## Specifications



PART NUMBER		DW-BJAI2RxxT
Included DW Spectrum IP Licenses		8 (2x DW-SPECTRUMLSC004)
Included DW Ai Server Licenses		8 (2x DW-DWAI SLSC004)
Form Factor		2U Rackmount
Operating System	Windows*10	DW-BJAI2RxxT
	OS on SSD	2 x 240GB NVMe SSD (RAID1)
CPU		XEON Gold 6248R
Memory		64GB
Ethernet port		2x 10Gb SFP+, 2x 1Gb base-T
System	Max Video Storage Rate (Mbps)	320Mbps
	Max # of Analytic Streams (Secondary)	Up to 128
	Maximum HDD	8 x 3.5" SATA HDD
	Storage Options	160TB RAID5
	RAID	OS RAID 1, Data RAID5
USB Interface		Yes
Video-Out	Outputs	1x DisplayPort output
	Graphics Card	NVIDIA RTX A4000 16GB
Preloaded VMS Software		DW Spectrum® IPVMS
DW Spectrum Client Supported OS		Windows®, Linux Ubuntu® and Mac®
Preloaded Analytic software		DW Ai Server
Ai Configuration Tool Supported OS		Windows® and Linux Ubuntu®
Mobile Apps		iOS® and Android®
Keyboard and Mouse		Included
Rail kit		Included
Power Supply		2000W Redundant power supply**
Operating Temperature (room)		41°F-104°F (5°C-40°C)
Operating Humidity		5-85% RH
Dimension (WxDxH)		17.08" x 29.03" x 3.4" (434 x 737.5 x 86.8mm)
Other Certification		NDAA, TAA, UL, FCC and CE
Warranty		5 year warranty with next day on-site repair

\* After remote diagnosis.  
\*\* A UPS is recommended.

## Ai Server Licenses (Sold Separately):

- DW-AiSLSC001: Single DW Ai Server Analytics License.
- DW-AiSLSC004: Four (4) DW Ai Server Analytics Licenses.
- DW-AiSLSC010: Ten (10) DW Ai Server Analytics Licenses.
- DW-AiSLSC020: Twenty (20) DW Ai Server Analytics Licenses.

## Available Models

- DW-BJAI2R64T - 64TB raw storage, 48TB usable storage, RAID5.
- DW-BJAI2R96T - 96TB raw storage, 80TB usable storage, RAID5.
- DW-BJAI2R128T - 128TB raw storage, 112TB usable storage, RAID5.
- DW-BJAI2R160T - 160TB raw storage, 140TB usable storage, RAID5.

Designed and Commissioned in the U.S.A.



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# Built for Users.™

