

Blackjack Ai[™] RACK SERVER

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



NDA/TAA
COMPLIANT PRODUCT
ONVIF

64-160TB
Storage

320Mbps
Throughput

AI
Server

RAID

DW spectrum
IPVMS

5 YEAR
Warranty

Summary

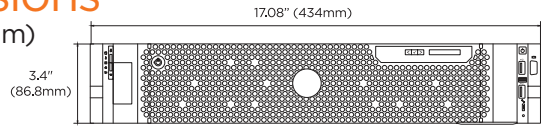
Blackjack Ai[™] Rack Artificial Intelligence Network Video Recorders (NVR) are purpose-built servers, with built-in server-side analytics that unlock advanced AI capabilities on any connected video stream. These cost-effective, plug-and-play appliances combine high-performance recording with video analytics in an easy-to-deploy turnkey solution. The NDA/TAA compliant, UL listed servers feature up to 320Mbps throughput, an Intel[®] Xeon processor 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 64 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
- 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-SPECTRUMLS004).
- Two (2) 4-channel Ai license included (DW-DWAI004)
- Dual stream recording
- 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
- NDA/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-BJAIRxxT	
Included DW Spectrum IP Licenses	8 (2x DW-SPECTRUMLS004)	
Included DW Ai Server Licenses	8 (2x DW-DWAI004)	
Form Factor	2U Rackmount	
Operating System	Windows*10	DW-BJAIRxxT
	OS on SSD	2 x 240GB NVMe SSD (RAID1)
CPU	XEON Gold 6248R	
Memory	32GB	
Ethernet port	2x 10Gb SFP+, 2x 1Gb base-T	
System	Max Video Storage Rate (Mbps)	320Mbps
	Max # of Analytic Streams (Secondary)	Up to 64
	Maximum HDD	8 x 3.5" SATA HDD
	Storage Options	160TB RAID5
	RAID	OS RAID 1, Data RAID5
Video-Out	USB Interface	Yes
	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	NDA, 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-BJAIR64T - 64TB raw storage, 48TB usable storage, RAID5.
- DW-BJAIR96T - 96TB raw storage, 80TB usable storage, RAID5.
- DW-BJAIR128T - 128TB raw storage, 112TB usable storage, RAID5.
- DW-BJAIR160T - 160TB raw storage, 140TB usable storage, RAID5.

Designed and Commissioned in the U.S.A.



866.446.3595

sales@digital-watchdog.com

www.digital-watchdog.com

Built for Users.™

