Blackjack® Ai™ RACK SERVER

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

NDAA/TAA COMPLIANT PRODUCT



Summary

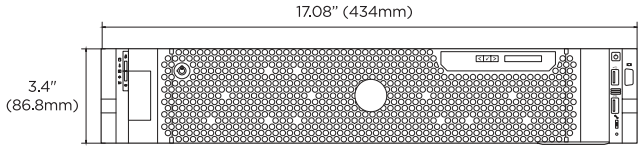
Blackjack Ai Rack AI NVR with server-side advanced neural-network-based analytics unlocks AI on any connected video stream. It is NDAA compliant, UL listed comes preloaded with DW Spectrum. The server comes complete with a 5-year, on-site, Next Business Day**, Keep Your Hard Drive warranty to ensure peace of mind.

Features

- 2U rackmount server with AI analytics, supports all ONVIF conformant IP cameras
- Hosting DW Ai with Deep Learning classifiers and color filter
- Server-side analytics for non-analytic cameras
- 5 year warranty, next business day on-site hardware service*, keep your hard drive - *after remote diagnosis
- 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
- 80-160TB raw internal storage with RAID options
- Hot Swappable HDDs
- Redundant power supply
- Dedicated GPU for client application for easy configuration
- Intel Xeon processor
- 2x 10Gb SFP+, 2x 1Gb base-T network ports
- Windows 11 on a separate SSD with RAID1
- iDRAC remote management with Enterprise License
- 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)
- Convert each recording license into a 24-month subscription for cloud-centric DW Spectrum Enterprise. Take advantage of cloud-exclusive usability and convenience.
- Two (2) 4-channel Ai license included (DW-DWAiSLSC004)
- Rail kit included
- USB mouse and keyboard included
- Designed, assembled and tested in the U.S.A.
- UL Listed
- NDAA/TAA compliant

Dimensions

Unit: Inch (mm)



Specifications

PART NUMBER		DW-BJAiRxxT
Included DW Spectrum IP Licenses		8 (2x DW-SPECTRUMLSC004)
		Convert each recording license into a 24-month subscription for cloud-centric DW Spectrum Enterprise. Take advantage of cloud-exclusive usability and convenience.
Included DW Ai Server Licenses		8 (2x DW-DWAiSLSC004)
Form Factor		2U Rackmount
Operating System		Windows 11 IoT LTSC
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
	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.

Designed and Commissioned in the U.S.A.

Built for Users.™

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REV. 09/25

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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-BJAIR80T - 80TB raw storage, 60TB usable storage, RAID5.
- DW-BJAIR120T - 120TB raw storage, 100TB usable storage, RAID5.
- DW-BJAIR160T - 160TB raw storage, 140TB usable storage, RAID5.

Subscription Options

1-year subscriptions

- DWS-ENT12M1C - 1 Device, 12 Months Subscriptions
- DWS-ENT12M4C - 4 Devices, 12 Months Subscriptions
- DWS-ENT12M8C - 8 Devices, 12 Months Subscriptions
- DWS-ENT12M16C - 16 Devices, 12 Months Subscriptions
- DWS-ENT12M24C - 24 Devices, 12 Months Subscriptions
- DWS-ENT12M48C - 48 Devices, 12 Months Subscriptions

3-year subscriptions

- DWS-ENT36M1C - 1 Device, 36 Months Subscriptions
- DWS-ENT36M4C - 4 Devices, 36 Months Subscriptions
- DWS-ENT36M8C - 8 Devices, 36 Months Subscriptions
- DWS-ENT36M16C - 16 Devices, 36 Months Subscriptions
- DWS-ENT36M24C - 24 Devices, 36 Months Subscriptions

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