



VALT SERVER

R1A16SAI SPECIFICATIONS

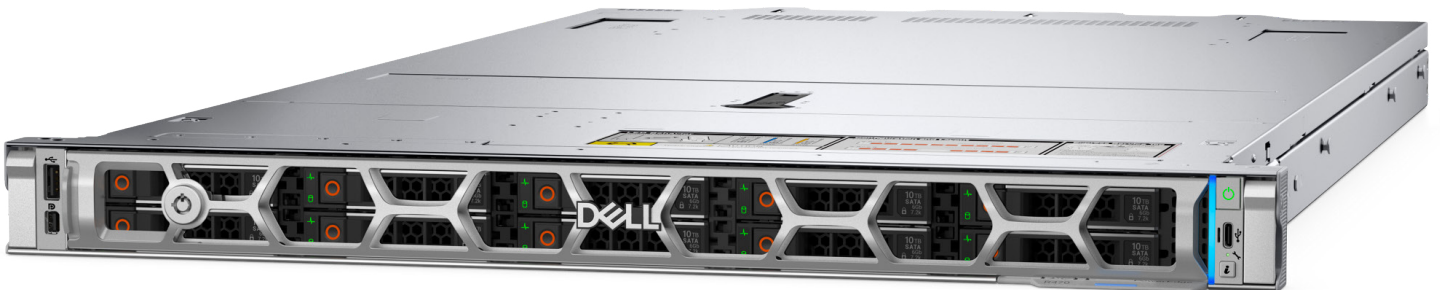


“ INTELLIGENT VIDEO SOLUTIONS OFFERS A DISCIPLINED, ENTERPRISE CLASS TOOL. VALT FITS, WORKS AND IS SECURE. ”

Michael Barr, CIO
Mt. Royal University

VALT servers are Tier One platforms featuring the industry's most trusted suppliers hand selected for video optimization and maximum uptime. Prior to leaving the manufacturing environment every component is tested, validated and burned in ensuring your VALT system is ready to perform out of the box.

Each server is meticulously prepared in our configuration center with VALT licensing and software to create a custom-built appliance for any size video observation and recording project.

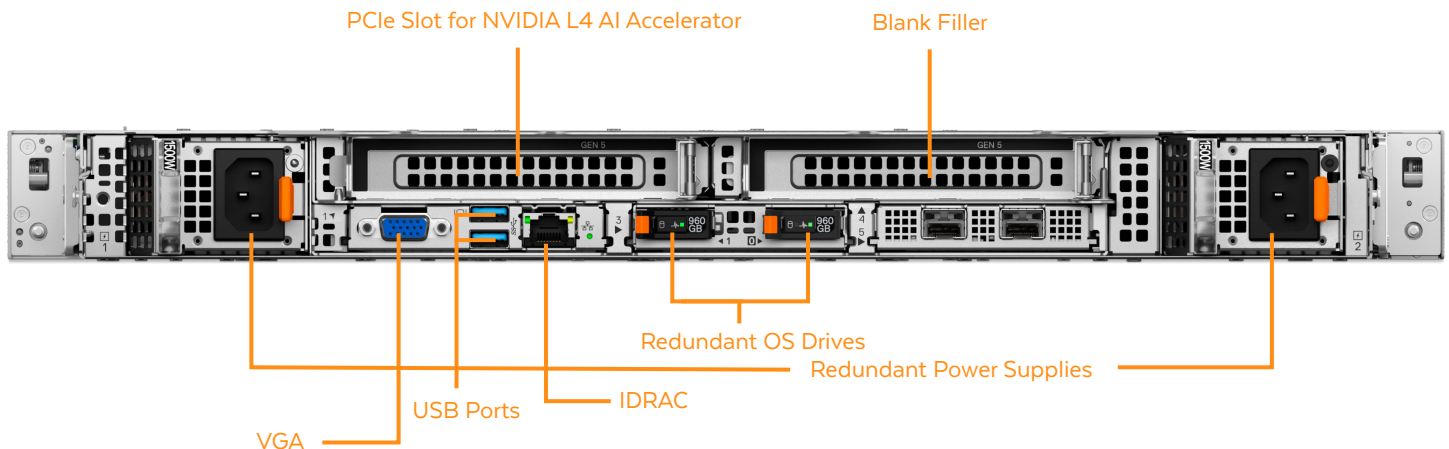




The R1A16SAI is an AI-enabled 1U full-depth chassis appliance featuring a XEON 6 Performance 6505P CPU, NVIDIA Tesla L4 AI Accelerator, 128 GB RAM, 480GB RAID 1 SSD OS/Application array and 16 TB RAID 5 video archive. This appliance is benchmarked to manage up to 25 1080p cameras and offers 8,000 hours of video storage.

TECHNICAL SPECIFICATIONS

MODEL NAME	R1A16SAI
FORM FACTOR	1U
CAMERAS	25
OS	UBUNTU LINUX 24.04
OS DRIVE	BOSS-N1 CONTROLLER CARD + WITH 2 M.2 480GB (RAID 1)
RAID OS	RAID 1
STORAGE DRIVE	16TB
RAID STORAGE	RAID 5, HOT SWAP
CPU	INTEL XEON 6 PERFORMANCE 6505P
CACHE	48 MB
CORES	12
THREADS	24
SPEED	2.2 GHZ
AI ACCELERATOR	NVIDIA TESLA L4
MEMORY	128 GB, (4) 32 GB RDIMM, 6400 MT/S, DUAL RANK
HEIGHT X WIDTH X DEPTH	1.69" X 19.0" X 32.16"
MOUNTING RAILS	READYRAILS SLIDING RAILS WITH CABLE MANAGEMENT ARM
MOTHERBOARD	POWEREDGE R470 MOTHERBOARD
POWER SUPPLY	DUAL, FULLY REDUNDANT (1+1), HOT-PLUG MHS POWER SUPPLY, 800W MM (100-240VAC)
AVG. POWER CONSUMPTION	283W
BTU/HR	965
VIDEO STORAGE	8,000 HOURS*



All VALT Servers are backed by a 5-year next business day on-site repair warranty.

To request warranty services please contact Intelligent Video Solutions by phone: 262-746-9290 or email: support@ipivs.com.

* Estimated retention hours for use with 1080P cameras for 720P cameras multiply by 2
Additional information available at ipivs.com/products/#servers