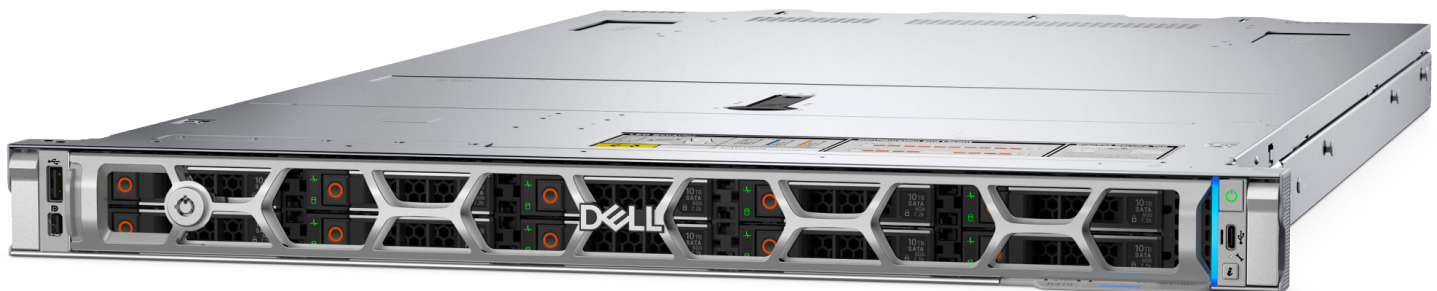INTELLIGENT
VIDEO SOLUTIONS

> " 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.
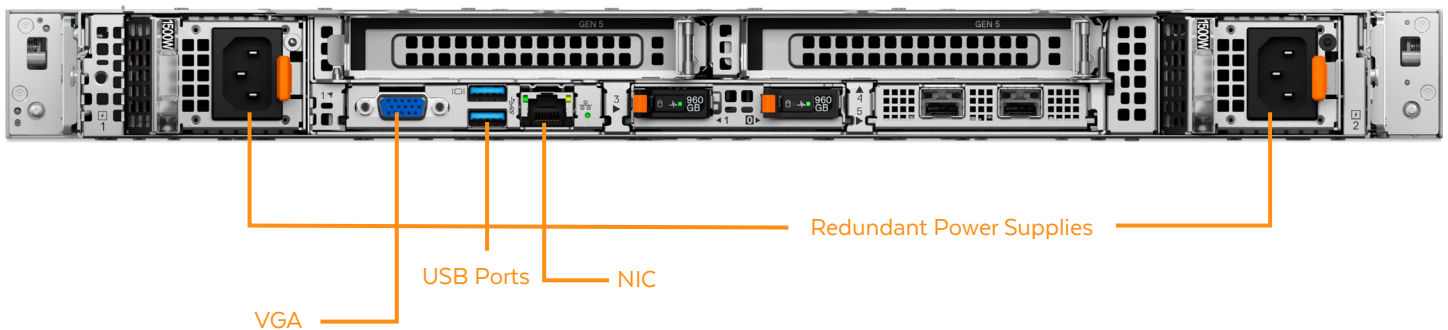
The R1A40S is a 1U full-depth chassis featuring a XEON 6 Performance 6527P CPU, 128 GB RAM, 480GB RAID 1 SSD OS/Application array and 40 TB RAID 10 video archive. This appliance is benchmarked to manage up to 50 1080p cameras and offers 20,000 hours of video storage.

TECHNICAL SPECIFICATIONS

MODEL NAME	R1A40S
FORM FACTOR	1U
CAMERAS	50
OS	UBUNTU LINUX 24.04
OS DRIVE	BOSS-N1 CONTROLLER CARD + WITH 2 M.2 480GB (RAID 1)
RAID OS	RAID 1
STORAGE DRIVE	40TB
RAID STORAGE	RAID 10, HOT SWAP
CPU	INTEL XEON 6 PERFORMANCE 6527P
CACHE	144 MB
CORES	24
THREADS	48
SPEED	3.0 GHZ
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	20,000 HOURS*

Redundant Power Supplies

USB Ports

NIC

VGA

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