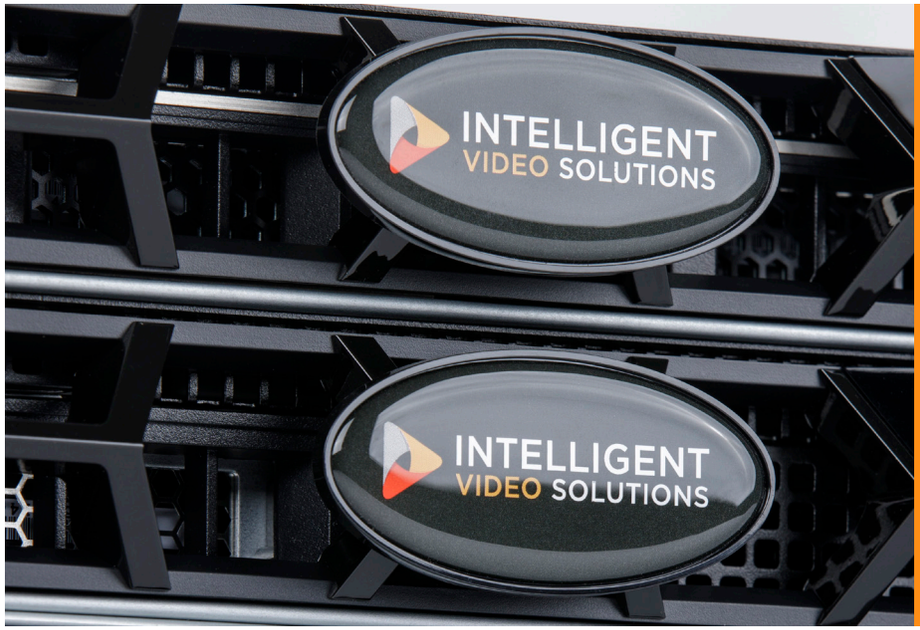
VALT SERVER

R1Z16S SPECIFICATIONS

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.

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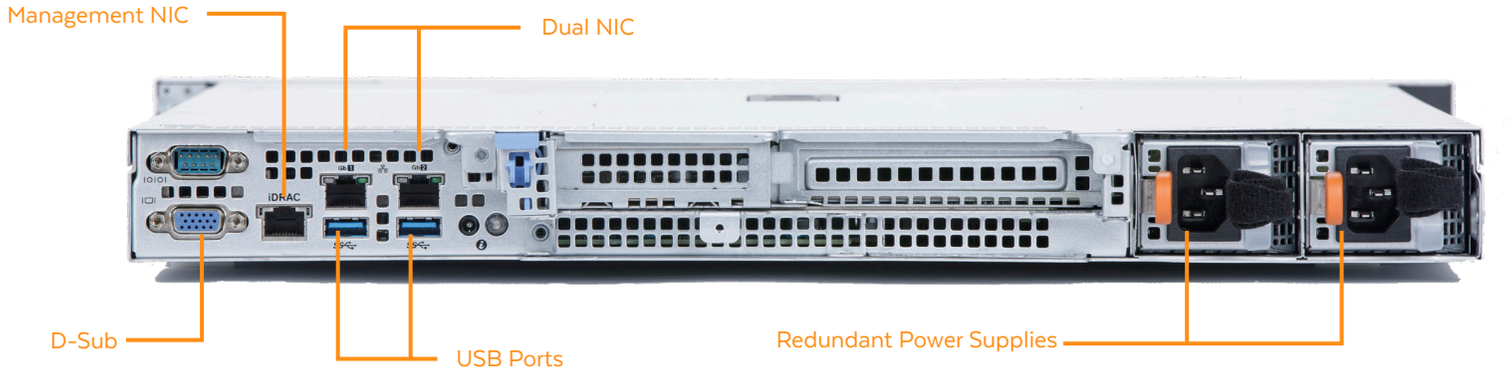
The R1Z16S is 1U full-depth chassis featuring a single INTEL XEON SILVER 4310 CPU, 32GB RAM, RAID 1 SSD OS/Application array and 16TB RAID 5 video archive. This appliance is benchmarked to manage up to thirty 1080p cameras offering 8,000 hours* of video archive.

TECHNICAL SPECIFICATIONS

MODEL NAME	R1Z16S
FORM FACTOR	1U
CAMERAS	30
OS	UBUNTU LINUX 20.04
OS DRIVE	BOSS CONTROLLER CARD + WITH 2 M.2 STICKS 240G (RAID 1),FH
RAID OS	RAID 1
STORAGE DRIVE	16 TB
RAID STORAGE	RAID 5, HOT SWAP
RAID CONTROLLER	PERC H755 SAS CONTROLLER, FRONT
# CPUS	1
CPU	INTEL XEON SILVER 4310
CACHE	18 MB
CORES	12
THREADS	24
SPEED	2.1 GHZ
MEMORY	(2) 16 GB RDIMM, 3200MT/S, DUAL RANK
HEIGHT X WIDTH X DEPTH	1.7" X 17.08" X 28.13"
MOUNTING RAILS	READY RAILS SLIDING RAILS WITH CABLE MANAGEMENT ARM
APPLIANCE WEIGHT	34 LBS
SHIPPING WEIGHT	59 LBS
MOTHERBOARD	POWEREDGE R450 MOTHERBOARD
POWER SUPPLY	DUAL, HOT PLUG, REDUNDANT POWER SUPPLY (1+1), 550W
AVG. POWER CONSUMPTION	283W
BTU/HR	545.9
VIDEO STORAGE	8,000 HOURS*



All VALT Servers are backed by a 3 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