

(Recommended Short List)

The TAG platform makes use of standard Intel CPU based servers. The monitoring capacity depends on the selected CPU model and memory setup.

Hardware capacity is calculated in units of SD points. Each certified server receives “x” amount of SD points, for example: Intel Dual Xeon Gold 6348 has 600 SD points.

$$\text{Required Capacity} = (\# \text{ SD channels}) \times 1 + (\# \text{ HD channels}) \times 5 + (\# \text{ mosaic outputs}) \times 20$$

- Monitoring of each SD channel requires 1 SD points
- Monitoring of each HD channel requires 5 SD points
- Monitoring of each Contribution HD channel requires 10 SD points
- Monitoring of each HEVC channel requires double the points above
- Monitoring of each UHD H.265 channel requires 60 SD points
- Monitoring of each Uncompressed 1.5G or 3.0G channel requires 5 or 10 SD points respectively
- Creation each unique **\*\*Different\*\*** H.264 or Uncompressed mosaic requires 20 SD points for HD, 40 SD points for UHD



Intel Dual Processors			
Intel CPU PCI 3.0	points	Intel CPU PCI 4 New!!	points
<b>Silver Dual Xeon</b>		<b>Silver Dual Xeon</b>	
Silver 4114	160	Silver 4314	275
<b>61XX Gold CPU's</b>		<b>63XX Gold CPU's</b>	
Gold 6126	230	Gold 6324	380
Gold 6132	270	Gold 6342	555
Gold 6140	310	Gold 6348	600
Gold 6150	360	Gold 6354	445
Gold 6154	400		
<b>62XX Gold CPU's</b>			
Gold 6226	230		
Gold 6240	335		
Gold 6248	400		
Gold 6254	440		
<b>62XXR Gold CPU's</b>			
Gold 6226R	330		
Gold 6240R	410		
Gold 6248R	515		
Gold 6258R	540		



### **New!! - Memory Setup:**

*Xeon Gold 63xx* platform:

Memory Types & Speed: DDR4 3200MHz  
**16 identical memory modules** (8 per CPU), each on a different memory bus connected directly to the CPU.

### **Memory Setup:**

*Xeon Gold 62XX/62XXR* platform:

Memory Types & Speed: DDR4 2933MHz  
**12 identical memory modules** (6 per CPU), each on a different memory bus connected directly to the CPU.

### **Memory Setup:**

*Xeon Gold 61XX* platform:

Memory Types & Speed: DDR4 2666MHz  
**12 identical memory modules** (6 per CPU), each on a different memory bus connected directly to the CPU.

### Mellanox Network cards – For High Bandwidth connectivity

- MCX516A – CDAT → Connect – X – Dual port 100G QSFP28 (supports 10/25/40/50/100G) (PCIe 4.0)
- MCX516A – CCAT → Connect – X – Dual port 100G QSFP28 (supports 10/25/40/50/100G)
- MCX515A – CCAT → Connect – X – Single port 100G QSFP28 (supports 10/25/40/50/100G)
- MCX512A – ACAT → Connect – X 5 – Dual port 25G SFP28 (supports 10/25G)
- MCX623106AN – CDAT → Connect – X 6 – Dual Port 100G (Support up to 200G)(PCI 4.0) – **New!!**
- MCX623106AS – CDAT → Connect – X 6 – Dual Port 100G (Support up to 200G)(PCI 4.0) – **New!!**



Capacity calculations are based on dual processor platforms with an optimal memory installation. The number of modules is critical (regardless of memory size.) It is highly important that the setup be as stated above and that memory modules be identical. Other memory setups may result in capacity/performance reduction.

Other Intel CPU modules could be supported, however, **please consult with TAG's Support Department** ([support@tagvs.com](mailto:support@tagvs.com)) for approval of the CPUs and Network Cards, prior to any hardware purchase.