

LumiCenter Recommended Server Hardware Scenario's

	1	2	3	4	5	6
Requirements:						
Max Cameras	64	128	256	512	1,000	2,000
Recording: 1st Stream (H.265)	2688x1520@30FPS					
Display/Clients: 2nd Stream (H.265)	720x480@30FP					
# Cameras Display & Transfer to Client	16					
# Cameras Transfer to Client	48	112	240	496	984	1984
Bandwidth per Camera (Mbit/s)	4.33	4.33	4.33	4.33	4.33	4.33
Bandwidth Input (Mbit/s)	277	554	1108	2215	4326	4326
Bandwidth Output (Mbit/s)	21	42	84	167	326	326
Total Mbit/s	298	596	1192	2382	4652	4652
Storage	30d/24h Recording					
Bandwidth Storage	256 Mbit/s	512 Mbit/s	1,024 Mbit/s	2,048 Mbit/s	4,000 Mbit/s	4,000 Mbit/s
Recommended Server:						
Server & Link	Precision 5860 Tower Workstation				Dell Precision 7960 Tower Workstation	
# Servers	1	1	1	1	1	2
Processor	Intel Xeon W3-2423	Intel Xeon W3-2423	Intel Xeon W3-2435	Intel Xeon W5-2455X	Intel Xeon W7-3465X	Intel Xeon W7-3465X
GPU	RTX 2000 Ada Generation Graphics Card NVIDIA					
RAM	2x 16GB (Total 32GB)			2x 32GB (Total 64GB)		
Storage: HDDs (TB)	87 TB	174 TB	384 TB	696 TB	1,360 TB	1,360 TB
Storage: SSD	512 GB	512 GB	512 GB	512 GB	512 GB	512 GB

NOTE: This matrix does not provide for any computing power required for any analytics, please refer to the LumiCenter Calculator on our [website](#). Additional storage options should be considered as the above workstations may not offer enough HDD bays to meet the storage requirements.
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