

Digital Security and Surveillance Configuration & Product Recommendation

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Specifications

Requestor: William Sclafani
ID: 25180 : Project 1
VMS: Qognify Ocularis
Software Version: Enterprise or Ultimate
RAID: RAID5
System Preference: Rack Mount Chassis
Motion Detection: Camera-Side
Number of Client Workstations: 22
Client Streams Per Workstation: 20
Excess Storage %: 25

Project Summary

Total Cameras: 46
Total Bandwidth: 307.82 Mbps
Total Storage: 78.63 TB

Site Details and Recommendations

Airport Public Safety

Cameras:

Description	Camera Type	Quantity	Resolution	Compression	Bit stream	Bit rate (kb/s)	Frame Rate	Retention	Scene	Daily Rec %	Bandwidth (Mbps)	Storage
Current Arecont Model 12186DN	180 Degree Panoramic	7	2048x1536 (3 MP)	H.264-HighQual	Variable Bit Rate (VBR)	5883	10	15	Active-80	100	40.22	8 TB
Current Quasar HD cm-4321	Normal	6	1600x1200/1080P (2 MP)	H.264-HighQual	Variable Bit Rate (VBR)	3856	10	30	Active-80	100	22.59	9 TB
Current Quasar HD cm-4221	Normal	6	1600x1200/1080P (2 MP)	H.264-HighQual	Variable Bit Rate (VBR)	3856	10	15	Active-80	100	22.59	4 TB
Current Quasar HD cm-4251	Normal	2	1600x1200/1080P (2 MP)	H.264-HighQual	Variable Bit Rate (VBR)	3856	10	30	Active-80	100	7.53	3 TB
Current ONVIF PNM-9020V	180 Degree Panoramic	2	2048x1536 (3 MP)	H.264-HighQual	Variable Bit Rate (VBR)	3704	10	15	Busy-50	100	7.23	1 TB
Additional Future Cameras	180 Degree Panoramic	23	2600x1950 (5 MP)	H.264-HighQual	Variable Bit Rate (VBR)	9245	10	20	Active-80	100	207.65	53 TB

Recommendations:

Compute and Storage Recommendation (Lowest Cost)

ASC-96T



Quantity Needed: 1
Max Bandwidth: 390 Mbps
Max Storage: 80 TB
Features / Notes:

Computer and Storage Recommendation (Fewest Products)

ASC-96T



Quantity Needed: 1
Max Bandwidth: 390 Mbps
Max Storage: 80 TB
Features / Notes:

DISCLAIMER: The Security product selector is a tool, based on entered criteria to assist with product recommendations based on extensive VMS testing completed. The requirements specified are considered minimum configuration requirements. We have made every effort to assure the accuracy within our product selector. However, we do not assume any liability from the use of this tool due to the system configuration complexity and actual user criteria. Seneca NVR servers are tested for performance based on camera recording only. Any additional load, including - but not limited to - viewing camera streams or server-side applications (i.e motion detection, LPR, mobile app etc.), on the recording server may have an adverse effect on system performance. The product selector tool provides specific hardware recommendations for VMS software designated in the initial software selection. When "Other" is selected as the VMS we apply a generic recommendation based on our standard system performance metrics but no performance guarantee.