

ANNOUNCEMENT

The Georgetown County Board of Education will have a Public Hearing for the adoption of the 2018-2019 General Fund Budget on Tuesday, June 12, 2018, at 5:30 p.m., in the Board Room, at J. B. Beck Administration and Education Center, located at 2018 Church Street, in Georgetown, S. C. The Regular Board Meeting will immediately follow the Public Hearing.

**GEORGETOWN COUNTY BOARD OF EDUCATION
J. B. BECK ADMINISTRATION AND EDUCATION CENTER
PUBLIC HEARING -- OPEN SESSION
BOARD ROOM – 5:30 P.M.
TUESDAY, JUNE 12, 2018**

AGENDA

- A. MOMENT OF SILENCE.....Board

- B. PLEDGE OF ALLEGIANCE.....Miss Teijah Linen
Fifth Grade Student at Brown’s Ferry Elementary School

- C. APPROVAL OF MINUTES.....Board

- D. ADOPTION OF AGENDA.....Board

E. 5:30 P.M. ---- PUBLIC HEARING ---- 2018-2019 GENERAL FUND BUDGET

F. PUBLIC COMMENTS/REQUESTS: This section of each regularly scheduled Board meeting is reserved for comments from the audience on any item appearing on the agenda. Also, the time is made available for citizens to make specific requests of the School District or to raise specific issues for future discussion by the Board. Comments/requests should be as brief and to the point as possible and should not exceed 3 minutes. Persons who wish to address the Board are requested to complete one of the cards available at the entrance and submit it before the meeting begins. Normally, the Board will not address specific requests during the meeting at which they are made.

- G. ACTION ITEMS:
 - 1. ADOPTION OF 2018-2019
GENERAL FUND BUDGET.....Ms. Lisa O. Johnson
Upon completion of the Public Hearing,
Administration recommends approval for
the adoption of the 2018-2019 General Fund
Budget in the amount of \$87,633,597.

2. **OPERATIONS MILLAGE INCREASE RECOMMENDATION FOR FY19**.....Ms. Lisa O. Johnson
 The Administration recommends increasing the millage rate for operations from 107.0 to 109.7, which is within the allowable limits of state law, pursuant to S.C. Code of Laws 6-1-320.

3. **OUT-OF-DISTRICT TRANSFER REQUESTS**.....Dr. Diane O. Wingate
 The Administration recommends approval of several Georgetown County residents' requests for release from Georgetown County School District for their children to attend school in another district for the 2018-2019 school year.

4. **PERSONNEL LIST**.....Mr. Jon Tester
 The Administration recommends approval of the Personnel List as presented.

5. **APPROVAL OF CONTRACT AWARD FOR A SOFTBALL FIELD LIGHTING REPLACEMENT PROJECT AT GEORGETOWN HIGH SCHOOL**.....Mr. Brent Streett
 The Administration recommends approval of a contract award for replacement of athletic field lighting for the Georgetown High School Softball Field to the lowest, responsive and responsible bidder of record, with a *not to exceed* construction cost of \$245,000.

6. **APPROVAL OF CONTRACT AWARD FOR BUILDING SECURITY CAMERA SYSTEM DISTRICTWIDE**.....Mr. Alan Walters
 The Administration recommends approval of a contract award for the provision and installation of a building security camera system for the entire District, to Codelynx, LLC, from North Charleston, South Carolina, for a *not to exceed* project cost of \$1,650,000. This work will be funded through the 2016 referendum monies.

Mr. Bob Sebire
 M. B. Kahn Construction Company

H. INFORMATION ITEMS:

1. **UPDATE ON COSTS FOR GEORGETOWN HIGH SCHOOL'S CONSTRUCTION AND RENOVATION PROJECT**.....Mr. Bob Sebire

M. B. Kahn Construction Company

2. **UPDATE ON BIDDING PROCESS FOR WACCAMAW INTERMEDIATE SCHOOL'S CONSTRUCTION AND RENOVATION PROJECT**.....Mr. Bob Sebire

M. B. Kahn Construction Company

**3. PRESENTATION OF WACCAMAW
INTERMEDIATE SCHOOL
CONSTRUCTION/RENOVATION
PROJECT BY SGA ARCHITECTURE, LLC.....Mr. Bob Sebire
M. B. Kahn Construction Company**

I. BOARD/SUPERINTENDENT COMMENTS/REQUESTS

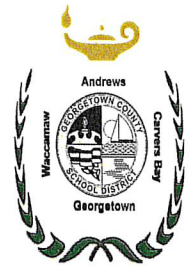
J. ADJOURNMENT

REMINDER

The Georgetown County Board of Education's next Regular Board Meeting is on Tuesday, August 7, 2018, at 5:30 p.m., in the Board Room, at J. B. Beck Administration and Education Center. The Board will not meet in July unless there is a dire need.



DRAFT
Georgetown County School District
Budget Comparison Statement
Proposed General Fund Budget
FY 2018-19



REVENUES	APPROVED BUDGET 2017-18	PROPOSED BUDGET 2018-19	PROPOSED INCREASES (DECREASES) FY 2018-19
LOCAL			
Taxes Levied & Fees in Lieu of	\$41,475,332	\$41,475,332	\$0
Additional Tax Millage (2.7 mills)	0	872,100	872,100
Delinquent Collections & Penalties	884,812	884,812	0
Other Local Revenues	84,400	184,400	100,000
STATE (Based on 135 Day Student Counts - Senate Version)			
Restricted Grants	9,138,805	9,354,246	215,441
Education Finance Act (EFA) (BSC 2,485)	13,235,977	13,997,706	761,729
State Revenue in Lieu of Taxes	17,310,012	17,643,009	332,997
Interfund Transfers	2,793,050	3,221,992	428,942
TOTAL PROPOSED REVENUES	<u>\$84,922,388</u>	<u>\$87,633,597</u>	<u>\$2,711,209</u>

EXPENDITURES			
Salaries & Related Fringe Benefits	\$73,935,563	\$76,140,772	\$2,205,209
Purchased Services	5,073,721	5,579,721	506,000
Supplies & Materials	3,805,892	3,805,892	0
Other (includes Coastal Montessori Charter School)	2,107,212	2,107,212	0
TOTAL PROPOSED EXPENDITURES	<u>\$84,922,388</u>	<u>\$87,633,597</u>	<u>\$2,711,209</u>

PROPOSED GENERAL FUND REVENUE & EXPENDITURE INCREASES (DECREASES)

DRAFT

FY 2018-19

DRAFT

PROPOSED GENERAL FUND REVENUE INCREASES/DECREASES:	
Additional Tax Millage (2.7 mills as allowed by ACT 388)	\$872,100
Increase in State Employer Contributions - Fringe (Based on 45 Day and 1% increase)	215,441
Education Finance Act Increase. (BSC - \$2,485)	761,729
State Revenue in Lieu of Taxes	332,997
(Additional Tier III Reimbursement Calculated by SC Budget & Control Board)	
Increase in EIA Transfer for Fringes on Teacher Salary Supplement	528,942
(1% Retirement Increase and Base Teacher Salary to \$32k)	
Additional Local Revenues (Tuition, Rent, Transcripts, etc.)	100,000
Decrease in Indirect Costs - Food Services	(100,000)
TOTAL PROPOSED GENERAL FUND REVENUE INCREASES:	\$2,711,209

PROPOSED GENERAL FUND EXPENDITURE INCREASES (DECREASES):	
Mandated 1% Raise for Teachers & Increase Beginning Teacher Pay	
to \$32,000 (Senate Version) with Related Fringe Benefits	425,000
Step, Year's Experience or 1% Increase for All Other Eligible Employees with	
Related Fringe Benefits	468,000
Mandated Teacher Step Increase with Related Fringe Benefits	800,000
Savings Realized from Difference in New Hire & Retiree	
Salaries with Related Fringe Benefits	(1,015,620)
Eliminate Annual Leave Payout for Employees Ending TERI with Related Fringe Benefits	(500,000)
Savings Realized from Reducing Current Year Returning Retirees' Salaries by 6%	(199,801)
Net Additions, Reductions, Reallocated Positions, and Changes in Funding Sources	
with Related Fringe Benefits (lower enrollment, changes in programs, etc.)	(1,041,917)
Teacher Pool (10 FTEs) with Related Fringe Benefits	672,547
Mandated Increase in Employer Group Health Premiums (8.1% - Jan. - June 2019)	615,000
Mandated Increase in Employer Retirement - 1%	680,000
Increase in District Wide Contracted Services	72,000
Increase in Professional Development for Principals/Asst. Principals/Aspiring Leaders	30,000
Increase in SRO Contract - City of Georgetown	54,000
FuelEd Software Licenses (student online courses)	150,000
Employee Tuition Reimbursement (up to \$1,000 per employee for 2 courses-procedures & policy TBA)	100,000
Increase Bus Drivers' Pay Year 1: Increase Scale by 2% & Increase Hours to be Completed in FY20	90,000
Increase Substitute Teacher Pay Rates (Kelly Services)	200,000
Principal Support/Mentors-Parttime with Related Fringe Benefits	150,000
Teachers' Unused Sick Leave Payments (if signed by governor & with separate board policy)	30,000
Additional Special Education Salaries & Services (previously paid from Medicaid Fund, no longer available):	
Student Shadows, Classroom Paraprofessionals, Rehabilitative Behavioral Health Services-RBHS,	
Psychologist, Speech Teacher & Related Fringe Benefits	932,000
TOTAL PROPOSED GENERAL FUND EXPENDITURE INCREASES:	\$2,711,209

EXCESS EXPENDITURES OVER REVENUES	\$0
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Georgetown County School District



General Fund Budget 2018-19 Information on Millage Increase Allowed



Current Millage for Operations 2017-18	107.0
Millage Rate Cap for 2017-18	2.51%
Set by SC Revenue and Fiscal Affairs	
Additional Millage Allowed	2.7 mills
with Board Approval	
Proposed Millage - Operations	109.7
Estimated Additional Tax Collections	\$872,100



**SOUTH CAROLINA
REVENUE AND FISCAL AFFAIRS OFFICE**

EDWARD B. GRIMBALL, Chairman
HOWELL CLYBORNE, JR.
EMERSON F. GOWER, JR.

FRANK A. RAINWATER
Executive Director

March 23, 2018

Superintendent's Office

Dr. H. Randall Dozier
Superintendent
Georgetown County School District
2018 Church Street
Georgetown, SC 29440-2604

MAR 28 2018

Georgetown County
School District

Dear Dr. Dozier:

Pursuant to S.C. Code of Laws §6-1-320, the Revenue and Fiscal Affairs Office has calculated the school district millage rate increase limitations for FY 2018-19. This calculation for a local governing body is the increase in the average of the twelve monthly consumer price indices consisting of January through December of the preceding calendar year, plus the percentage increase in the previous year in the population of the entity as determined by the Revenue and Fiscal Affairs Office. If the average of the twelve monthly consumer price indices experiences a negative percentage, the average is deemed to be zero. If an entity experiences a reduction in population, the percentage change in population is deemed to be zero.

The consumer price index increased 2.13 percent from calendar year 2016 to calendar year 2017. The population of Georgetown County School District increased 0.38 percent from 2016 to 2017 based on our methodology published in the State Register that uses the annual estimates of the resident population for counties from the U.S. Bureau of the Census, Population Division released in March 2018. Combining these two components yields a cap of 2.51 percent on the millage rate increase for Georgetown County School District for FY 2018-19.

If you have any questions, please contact Mary Katherine Gable at marykatherine.gable@rfa.gov or (803)734-3322.

Sincerely,

Frank A. Rainwater
Executive Director

FAR/mkg

Georgetown County School District

BUSINESS SERVICES

BOND REFERENDUM CONSTRUCTION & PROCUREMENT

2018 Church Street Georgetown, S.C. 29440 Phone (843) 436-7000



To: Dr. Dozier

From: Lisa Ackerman, CPPB

Cc: Lisa Johnson
Bob Sebire
Alan Walters

Date: May 31, 2018

Re: District wide Building Security Camera System REPLACEMENT

Dr. Dozier –

Please find a cost summary attached for the REPLACEMENT of our building security camera system District wide through Codelynx, LLC, from North Charleston, South Carolina. I have also included as reference several additional items:

1. State contract reference and NASPO participating addendum
2. Excerpt from Codelynx's response to the State of Nevada
3. High definition stream management
4. Excerpt from several specification sheets on the variety of cameras proposed and the network video recorder (NVR)
5. Scope of work

The proposed system will provide the District with the following:

1. Improved video quality from in building and exterior cameras due to a larger deployment of varied camera specifications (the right application in the right location)
2. Improved retention and retrieval process for video throughout the entire District
3. Additional coverage throughout each of our buildings
4. Specified analytic cameras will provide advanced search capabilities
5. Improved remote access for both District and law enforcement personnel

The review of available software and camera/NVR options has been under review for the **past two (2) years**. Alan Walters and I have met with a number of different manufacturers and installers over the course of the last 24 months. We have seen live product demonstrations on site by Avigilon/Codelynx and Panasonic/A3 Communications. Additionally, Alan has visited other Districts and viewed several further systems, such as, Advitia, ACTi, Axis/Exacq, Genetec, and Video Insight. We have included other staff members in presentations and discussions to include School Administration, IT, Facilities, and Risk Management personnel.

As a result of our review of current product/system availability in the marketplace, as well as reference checks with their current customer base, it is our recommendation to award a contract to Codelynx, LLC, for the Avigilon camera system/software due to its' quality of and myriad of available camera styles, unique analytic capabilities, ease of use software, and their extremely aggressive pricing structure. Avigilon has partnered with Codelynx on this project for our District in hopes that our District will become a showcase for other clientele to review their products/system. Avigilon, Codelynx and Communication Management, Inc. have provided a discount structure equal to 18% off the base State Contract rate, which equates to **\$343 k dollars** for the entire project.

Contract	Parts 40% Off	Standard State Contract	Parts 20% Markup	Parts 50% Off	Avigilon	14% Markup	CodeLynx	Contract Pricing	Saving for Parts from State	SC State Contract		Labor Rates (Code/yrx)	Labor Rates Discounted (Code/yrx)	Labor Savings (Code/yrx)	Total Savings (Code/yrx)	Contract Pricing (CMI)	Wiring State Contract Pricing (CMI)	Wiring Discounted (CMI)	Savings for Wiring (CMI)	Sub-Total	Tax	Total
										Labor Rates (Code/yrx)	Contract											
1	\$ 60,867.00	\$ 48,480.76	\$ 12,386.24	\$ 14,989.25	\$ 17,500.00	\$ 18,682.00	\$ 4,618.00	\$ 17,004.24	\$ 12,606.00	\$ 11,803.80	\$ 802.20	\$ 78,966.56	\$ 3,393.65	\$ 82,360.21								
2	\$ 73,509.00	\$ 58,519.75	\$ 14,989.25	\$ 17,500.00	\$ 17,500.00	\$ 17,500.00	\$ 4,430.00	\$ 15,069.75	\$ 12,565.66	\$ 11,766.03	\$ 799.63	\$ 87,435.78	\$ 4,096.38	\$ 91,532.16								
3	\$ 42,259.20	\$ 33,658.88	\$ 8,600.32	\$ 10,559.51	\$ 13,041.00	\$ 13,041.00	\$ 3,169.00	\$ 11,769.32	\$ 12,162.49	\$ 11,388.51	\$ 773.98	\$ 58,088.39	\$ 2,356.12	\$ 60,444.52								
4	\$ 51,692.60	\$ 41,133.09	\$ 10,559.51	\$ 12,743.55	\$ 14,358.90	\$ 14,358.90	\$ 3,701.10	\$ 14,260.61	\$ 15,011.41	\$ 14,056.14	\$ 955.27	\$ 69,548.13	\$ 2,879.32	\$ 72,427.45								
5	\$ 62,555.40	\$ 49,811.85	\$ 12,743.55	\$ 16,475.00	\$ 16,475.00	\$ 16,475.00	\$ 4,260.00	\$ 17,023.55	\$ 11,670.29	\$ 10,927.63	\$ 742.65	\$ 77,214.48	\$ 3,486.83	\$ 80,701.31								
6	\$ 32,601.20	\$ 25,988.02	\$ 6,613.18	\$ 8,183.00	\$ 9,515.00	\$ 9,515.00	\$ 1,865.00	\$ 8,478.18	\$ 11,069.18	\$ 10,364.78	\$ 704.40	\$ 47,686.96	\$ 1,819.16	\$ 49,506.12								
7	\$ 68,857.00	\$ 54,783.16	\$ 14,073.84	\$ 17,500.00	\$ 20,299.00	\$ 20,299.00	\$ 5,321.00	\$ 19,394.84	\$ 12,615.90	\$ 11,813.07	\$ 802.83	\$ 86,895.23	\$ 3,834.82	\$ 90,730.05								
8	\$ 47,617.00	\$ 37,904.46	\$ 9,712.54	\$ 11,540.00	\$ 15,450.00	\$ 15,450.00	\$ 2,710.00	\$ 12,422.54	\$ 10,351.17	\$ 9,692.45	\$ 658.71	\$ 60,336.91	\$ 2,653.31	\$ 62,990.23								
9	\$ 21,793.40	\$ 17,359.13	\$ 4,434.27	\$ 9,069.67	\$ 9,985.00	\$ 9,985.00	\$ 1,951.00	\$ 6,383.27	\$ 6,689.55	\$ 6,263.85	\$ 425.70	\$ 31,656.99	\$ 1,215.14	\$ 32,872.13								
10	\$ 44,541.60	\$ 35,471.93	\$ 9,069.67	\$ 11,298.51	\$ 16,440.00	\$ 16,440.00	\$ 4,000.00	\$ 13,069.67	\$ 12,151.70	\$ 11,378.41	\$ 773.29	\$ 59,290.34	\$ 2,483.04	\$ 61,773.38								
11	\$ 53,015.20	\$ 41,716.69	\$ 11,298.51	\$ 11,298.51	\$ 15,805.00	\$ 15,805.00	\$ 3,275.75	\$ 14,572.75	\$ 15,002.63	\$ 14,047.91	\$ 954.71	\$ 68,293.85	\$ 2,920.17	\$ 71,214.02								
12	\$ 48,910.20	\$ 40,243.96	\$ 8,666.24	\$ 9,733.29	\$ 12,750.00	\$ 12,750.00	\$ 2,197.50	\$ 10,863.74	\$ 14,775.81	\$ 13,835.53	\$ 940.28	\$ 64,631.99	\$ 2,817.08	\$ 67,449.07								
13	\$ 52,214.80	\$ 41,151.79	\$ 11,063.01	\$ 10,086.39	\$ 16,675.00	\$ 16,675.00	\$ 3,404.00	\$ 14,467.01	\$ 14,059.99	\$ 13,165.26	\$ 894.73	\$ 67,588.05	\$ 2,880.63	\$ 70,468.68								
14	\$ 30,143.80	\$ 23,995.79	\$ 6,148.01	\$ 7,332.29	\$ 10,086.39	\$ 10,086.39	\$ 1,790.00	\$ 8,296.39	\$ 8,817.58	\$ 8,256.46	\$ 561.12	\$ 44,542.25	\$ 1,679.71	\$ 46,221.95								
15	\$ 47,691.80	\$ 37,958.51	\$ 9,733.29	\$ 10,851.20	\$ 18,445.00	\$ 18,445.00	\$ 3,720.00	\$ 13,453.29	\$ 8,684.70	\$ 8,132.04	\$ 552.66	\$ 60,815.55	\$ 2,659.16	\$ 63,474.71								
16	\$ 49,371.80	\$ 39,285.41	\$ 10,086.39	\$ 11,257.01	\$ 17,400.00	\$ 17,400.00	\$ 3,450.00	\$ 13,536.39	\$ 16,218.40	\$ 15,186.32	\$ 1,032.08	\$ 67,761.73	\$ 2,749.98	\$ 70,511.71								
17	\$ 53,265.20	\$ 42,414.00	\$ 10,851.20	\$ 12,780.20	\$ 17,605.00	\$ 17,605.00	\$ 3,472.00	\$ 14,323.20	\$ 15,739.90	\$ 14,738.27	\$ 1,001.63	\$ 71,285.27	\$ 2,968.98	\$ 74,254.25								
18	\$ 53,405.84	\$ 42,148.83	\$ 11,257.01	\$ 8,448.22	\$ 17,415.00	\$ 17,415.00	\$ 3,583.38	\$ 14,840.38	\$ 14,835.70	\$ 13,891.61	\$ 944.09	\$ 69,872.07	\$ 2,950.42	\$ 72,822.48								
19	\$ 60,841.40	\$ 48,061.20	\$ 12,780.20	\$ 8,003.94	\$ 22,165.00	\$ 22,165.00	\$ 4,513.00	\$ 17,293.20	\$ 17,724.30	\$ 16,596.39	\$ 1,127.91	\$ 82,309.59	\$ 3,364.28	\$ 85,673.87								
20	\$ 39,241.40	\$ 31,237.46	\$ 8,003.94	\$ 8,448.22	\$ 16,590.00	\$ 16,590.00	\$ 3,319.00	\$ 11,767.22	\$ 11,662.20	\$ 10,920.06	\$ 742.14	\$ 58,391.64	\$ 2,394.04	\$ 60,785.68								
21	\$ 42,648.80	\$ 34,200.58	\$ 8,448.22	\$ 1,815.57	\$ 3,110.00	\$ 3,110.00	\$ 943.00	\$ 2,758.57	\$ 3,685.00	\$ 3,450.50	\$ 234.50	\$ 11,712.13	\$ 426.62	\$ 12,138.75								
22	\$ 7,910.20	\$ 6,094.63	\$ 1,815.57	\$ 2,079.59	\$ 2,910.00	\$ 2,910.00	\$ 749.00	\$ 2,558.57	\$ 3,685.00	\$ 3,450.50	\$ 234.50	\$ 11,712.13	\$ 426.62	\$ 12,138.75								
23	\$ 9,004.60	\$ 6,925.01	\$ 2,079.59	\$ 2,468.07	\$ 2,310.00	\$ 2,310.00	\$ 443.00	\$ 2,522.59	\$ 2,211.00	\$ 2,070.30	\$ 140.70	\$ 10,862.31	\$ 484.75	\$ 11,347.06								
24	\$ 11,186.20	\$ 8,718.13	\$ 2,468.07	\$ 7,440.96	\$ 3,260.00	\$ 3,260.00	\$ 943.00	\$ 3,411.07	\$ 3,685.00	\$ 3,450.50	\$ 234.50	\$ 14,485.63	\$ 610.27	\$ 15,095.90								
25	\$ 9,512.20	\$ 7,440.96	\$ 2,071.24	\$ 1,245.08	\$ 3,110.00	\$ 3,110.00	\$ 1,443.00	\$ 2,188.08	\$ 3,685.00	\$ 3,450.50	\$ 234.50	\$ 13,808.46	\$ 520.87	\$ 14,329.33								
26	\$ 5,599.00	\$ 4,353.92	\$ 1,245.08	\$ 1,245.08	\$ 3,200.00	\$ 3,200.00	\$ 958.00	\$ 2,203.08	\$ 1,050.50	\$ 983.65	\$ 66.85	\$ 7,504.57	\$ 304.77	\$ 7,809.34								
27	\$ 5,599.00	\$ 4,353.92	\$ 1,245.08	\$ 1,245.08	\$ 3,200.00	\$ 3,200.00	\$ 958.00	\$ 2,203.08	\$ 1,050.50	\$ 983.65	\$ 66.85	\$ 7,504.57	\$ 304.77	\$ 7,809.34								
28	\$ 5,599.00	\$ 4,353.92	\$ 1,245.08	\$ 1,245.08	\$ 3,110.00	\$ 3,110.00	\$ 943.00	\$ 2,188.08	\$ 1,501.50	\$ 1,405.95	\$ 95.55	\$ 7,926.87	\$ 304.77	\$ 8,231.64								
29	\$ 5,599.00	\$ 4,353.92	\$ 1,245.08	\$ 1,245.08	\$ 3,110.00	\$ 3,110.00	\$ 943.00	\$ 2,188.08	\$ 1,050.50	\$ 983.65	\$ 66.85	\$ 7,504.57	\$ 304.77	\$ 7,809.34								
30	\$ 1,104,963.04	\$ 878,214.30	\$ 226,748.74	\$ 394,140.00	\$ 311,749.28	\$ 311,749.28	\$ 82,390.73	\$ 309,139.47	\$ 289,866.45	\$ 271,420.40	\$ 18,446.05	\$ 1,461,383.97	\$ 61,475.00	\$ 1,522,858.97								

Anticipated Total Cost \$ 1,522,858.97
 Total project price at State Contracted rates \$ 1,866,316.90
 Total Savings (incl SC sales tax) \$ 343,457.92
 Contingency at 5% \$ 75,000.00
 Additional 2 year warranty (beyond initial 3 years) \$ 48,264.44
 Total Anticipated Security Camera Project Cost \$ 1,646,123.41
 Budget \$ 1,950,000.00
 Balance remaining to allocate to Premise Security and Visitor Management upgrades \$ 303,876.59

Security & Access Control NASPO ValuePoint Solicitation: NV 3407 Led by the State of Nevada Max Contract Period: 3/15/2018 - 8/18/2021 <u>Contract Terms & Conditions</u> Page last update: 3/15/2018	ITMO Procurement Manager Pat Bode 803-737-3224 <u>pbode@mmo.sc.gov</u>
South Carolina participates only in the security categories of the NASPO contract. Not all vendors participate in all categories. See detail below for specifics by vendor. As these contracts were created on a cost-plus basis, users must obtain pricing from two or more vendors to satisfy audit requirements. Be sure to read the South Carolina Participating Addendum for each vendor for contract detail.	
Category Descriptions	
Category 1: Access Control Systems	
Category 2: Burglar Alarms	
Category 3: Surveillance Services and Equipment	
Category 8: High Security Control System	

VENDORS

- [A3 Communications, Inc](#)
- [Allied Universal Security Systems](#)
- [Convergint Technologies, LLC](#)
- [CodeLynx LLC](#)
- [Johnson Controls Fire Protection LP](#)
- [Myrtle Beach Communications](#)
- [Technology Solutions of Charleston](#)

A3 Communications Inc

Brian Thomas
 1038 Kinley Road, Irmo SC 29063
 Phone: 803-744-5000
 Fax: 803-731-6046
 Email: brian.thomas@a3communications.com

Categories:
1,3

Contract Number: 4400018340

Allied Universal Security Systems

Daniel Wagoner
 400A Clanton Road, Charlotte NC 28217
 Phone: 864-486-9222
 Fax: 864-433-8222
 Email: daniel.wagoner@aus.com

Categories:
1,2,3

Contract Number: 4400018287

Convergint Technologies

Todd Smith
7445 Cross Country Road, Suite 10, North Charleston SC 29418
Phone: 843-554-7622 ext 101
Mobile: 843-810-0012
Email: todd.smith@convergint.com

Categories:
1,3

Contract Number: 4400018450

CodeLynx LLC

Drew Weston
4937 FARGO STREET, NORTH CHARLESTON SC 29418
Phone: 843-266-2330
Fax: 843-266-2333
Email: drew.weston@codelynx.com

Categories:
1,2,3

Contract Number: 4400018261

Johnson Controls Fire Protection LP

Keith Fuquay
14 Woodcross Drive, Columbia SC 29212
Phone: 336-254-2981
Email: keith.fuquay@jci.com

Categories:
1,2,3,8

Contract Number: 4400018269

Myrtle Beach Communications Inc.

Michael Johnson
1330 Enterprise Avenue, Myrtle Beach SC 29577
Phone: 843-444-1199
Fax: 843-448-2005
Email: michael@mbcomm.com

Categories:
3

Contract Number: 4400018274

Technology Solutions of Charleston

Rachel Shivers Crunk
4973 Rivers Avenue, North Charleston SC 29406
Phone: 843-266-2502
Fax: 843-266-2505
Email: rshivers@tscharleston.com

Categories:
1,2,3,8

Contract Number: 4400018262



PARTICIPATING ADDENDUM

SECURITY & FIRE PROTECTION SERVICES

Lead by the State of Nevada

Master Agreement #: 3407

Contractor: **CODELYNX INC**

Participating Entity: **STATE OF SOUTH CAROLINA**

Contract Number: **4400018261**

The following products or services are included in this contract portfolio:

Products, services and accessories listed on the Contractor page of the NASPO ValuePoint website, limited to those brands listed in Contractor's proposal. Brands must be authorized by the manufacturer. Covered categories are listed below.

Categories: **Category 1: Access Control Systems**
 Category 2: Burglar Alarms
 Category 3: Surveillance Services and Equipment

The following products or services are not included in this agreement:

Products available on other State Term Contracts, such as PCs and servers, network and communications equipment are excluded. Any remote monitoring must meet security standards of the Division of Technology or the Using Governmental Unit. Cloud storage of security data is prohibited.

Master Agreement Terms and Conditions:

1. **Scope:** This addendum covers the *Security & Fire Protection Services* procurement led by the *State of Nevada* for use by state agencies and other entities located in the Participating State of South Carolina authorized by that State's statutes to utilize State contracts with the prior approval of the State's Chief Procurement Official.
2. **Participation:** This NASPO ValuePoint Master Agreement may be used by all state agencies, institutions of higher institution, political subdivisions and other entities authorized to use statewide contracts in the State of South Carolina. Issues of interpretation and eligibility for participation are solely within the authority of the State Chief Procurement Official.

Pursuant to Section 11-35-4810, South Carolina public procurement units, both state and local (as defined by S.C. Code Ann. § 11-35-4610(5), as amended) are authorized to participate in cooperative purchasing.

Vendor Name: CodeLynx, Inc.

Nationwide or Region or State Proposed: MS, AR, TN, AL, GA, FL, SC, NC, VA, MD, KY, DC

Each Participating Entity will negotiate any travel costs. All cost associated below (including material markup) to include shipping, configuration, kitting, processing, reporting, warehousing, ValuePoint and Participating Entity fees .

Category 3 - Surveillance Services & Equipment

	Per Hour
Normal Business Hours (8:00am - 5:00pm M-F)	\$85.00
After Hours (5:01pm - 7:59am M-F)	\$110.00
Weekend/Holiday Hours	\$130.00

Other miscellaneous labor service description (if applicable):

Project Manager	\$150.00
Network Technician	\$125.00
Drafter/CAD	\$85.00
Engineering Technician	\$110.00
Laborer/Helper	\$60.00
Site Supervisor	\$120.00

Maintenance Work (Non-Warranty)

	Per Hour
Hourly rate for telephone consultation only	\$75.00
Normal Business Hours (8:00am - 5:00pm M-F)	\$85.00
After Hours (5:01pm - 7:59am M-F)	\$110.00
Weekend/Holiday Hours	\$130.00

Costs for Maintenance and Monitoring	Per Month \$0.00
OR	Per Year
Percentage of total system cost	10%
Materials percentage mark-up (Receipts for materials may be required by Purchasing Entity to be submitted with invoice)	20%

PENALTY FOR IMPROPER PRICING:

- It is the vendor's responsibility to ensure that all prices proposed for all projects are accurate and consistent with the terms of the contract.
- For all projects completed under this contract: if a vendor submits an invoice containing incorrect pricing in favor of the vendor, that vendor shall submit a new, corrected invoice with a 25% reduction in cost for each incorrectly priced item.
- If vendor continues to provide incorrect invoicing each Purchasing Entity has the option to cancel their contract in its entirety without penalty.
- Vendors are not allowed to aggregate fees into contract after award has been made. Failure to comply may be grounds for cancellation.

High Definition Stream Management (HDSM)[™] – Maximum Scalability and Bandwidth Management

Challenges

As your video-surveillance system expands in camera count and image resolution, can your video management system keep up?

The scenario repeats itself all too often: the hourglass or spinning icon when accessing live or recorded video, waiting for the system to catch up. Slow, choppy and blurry video as it struggles to deliver required resolution and frame rate. These are the familiar symptoms of a video management system (VMS) unable to handle the demands of a growing high definition surveillance architecture.

While improved compression technologies like H.264 have provided bandwidth savings over predecessor standards, the overall performance of your VMS is not determined by compression alone. As you expand the count of high resolution cameras within your system, the strain on network and other computing resources undoubtedly increases.

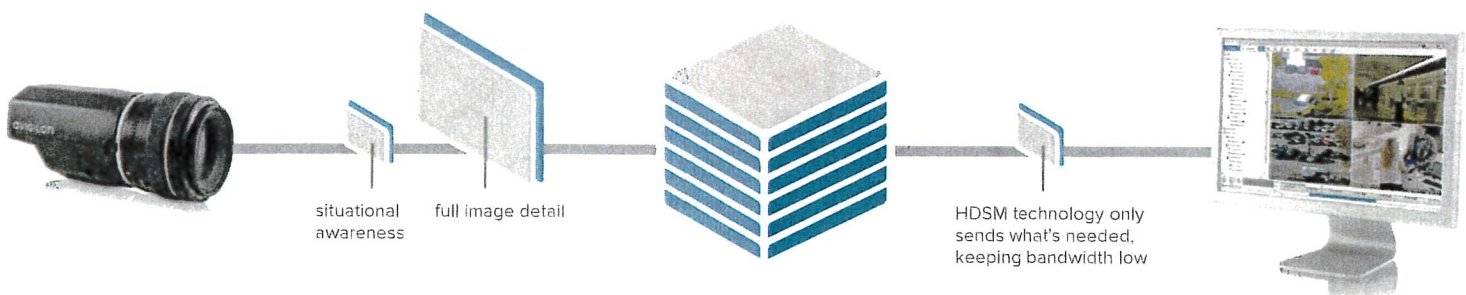
To address the challenge of system scalability and bandwidth management, Avigilon has developed High Definition Stream Management (HDSM)[™] technology. HDSM is a proprietary stream management technology that drastically reduces server-client bandwidth requirements and makes optimal use of client computing resources, enabling greater scalability and increased camera resolution.

How it works

While other VMS systems are dependent on leveraging video compression, multicasting and multi-streaming for bandwidth management, Avigilon Control Center (ACC)[™] software employs HDSM, a purpose-built bandwidth management technology, which reduces overall network load by an order of magnitude more than traditional technologies.

HDSM technology stores the video information on the server as small packets. Simultaneously, HDSM separates the video into multiple useable segments: lower resolution and smaller size streams for situational awareness, and much larger streams for full image detail. HDSM then intelligently manages these streams based on what the user is viewing.

For example, if multiple cameras are being displayed in ACC software with full field of view, the lower-resolution stream is sent from the server to the client. When the user engages a camera and digitally zooms in for greater detail, the higher resolution stream is provided. However, only the portion from that region of interest is sent. This dramatically reduces the amount of information exchanged between the server and client, by only providing the information that the user needs at that time, regardless of resolution.



High Definition Stream Management (HDSM) 2.0

Until now, HDSM technology was most effective with the JPEG2000 compression standard. This was primarily due to the dynamic adaptability of the JPEG2000 compression standard with high-resolution imaging. While JPEG2000 provides coding flexibility and high imaging performance, it also produces higher average bitrate streams and less overall compression than H.264, and is not a widely used standard within the video security surveillance industry.

As a result, HDSM 2.0 technology was developed to operate with the H.264 compression standard, simultaneously providing users with high-resolution imaging performance, further bitrate reduction of H.264 and the intelligence and flexibility of HDSM. This technology pairing provides a unique and superior network performance over systems solely utilizing H.264 compression. The next section outlines how this works:

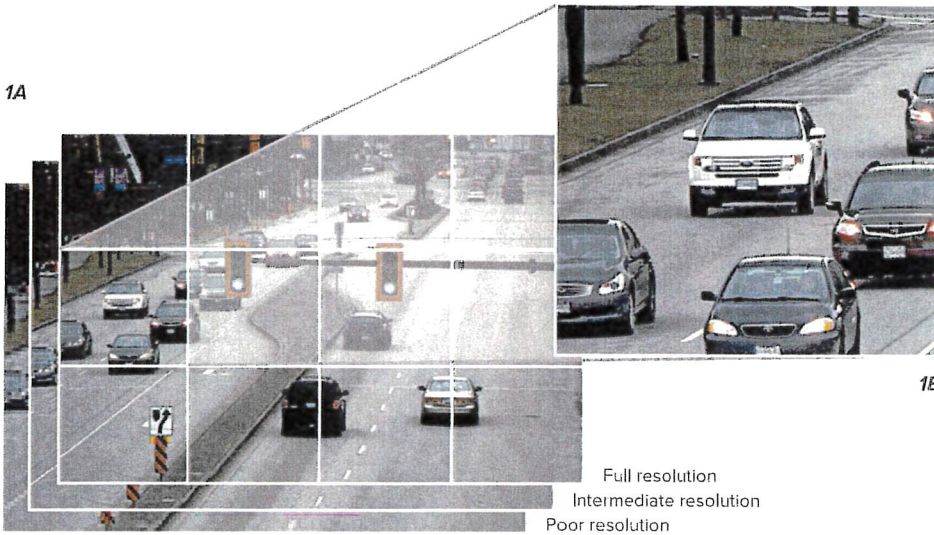


Figure 1A
ACC server stores full resolution and low-resolution streams

Figure 1B
ACC client receives and decodes only the high-resolution streams of the area being viewed

In figure 1A, HDSM technology is illustrated with the white line grid over a 16 MP image. The image is divided into 12 distinct areas. When a user zooms in an area for more detail, only that portion, in this illustration 1/12th of the total resolution, is sent from the server to the client. Not only does this drastically reduce the bandwidth between server and client, it reduces the required decoding resources, which enables improved system performance, responsiveness and overall user experience.

HDSM technology also uses progressively lower resolutions. For example, if you were to display the full field of view of a 16 MP camera on your 1080p (2MP) monitor, you would receive an intermediate resolution since you only need 2 MP of data. And when a camera is being viewed within a multiple camera display (e.g. one of 9 cameras in a 3 x 3 grid), the lowest resolution is used. In the end, HDSM technology provides only the resolution and detail you need when you need it.



Conclusion

For system integrators and end users planning for their video surveillance system expansion, ACC software with HDSM technology is a solution that will provide them both increased performance and flexibility. With HDSM 2.0 technology, Avigilon has paired H.264 compression with intelligent bandwidth management technology to create an effective solution in enabling broad system scalability in both camera count and resolution.

Avigilon Self-Learning Video Analytics

Avigilon self-learning analytics extend the effectiveness of your security personnel by providing effective monitoring and enabling proactive, real-time response from your team. Built from the ground up to manage high-definition video, Avigilon offers analytics embedded in Avigilon cameras up to 5K (16 MP) resolution.

Through the use of advanced pattern-based analytics and teach-by-example technology, Avigilon video analytics are designed to increase the productivity of security personnel while making monitoring more affordable and efficient.



Advanced pattern-based analytics

Avigilon advanced video pattern detection technology is able to accurately recognize the movements of people and vehicles while ignoring motion not relevant to a scene. Embedded into cameras up to 5K (16 MP), the system's ability to constantly learn reduces false positives and helps ensure alerts are meaningful, which avoids wasted time and improves efficiencies.

Teach-by-example technology

Our teach-by-example object classifier technology enables users to provide feedback about the accuracy of alarm events generated by Avigilon devices. Rather than decreasing analytics sensitivity to reduce false alarms, the feedback trains the device, increasing the accuracy of the analytics used to determine which alarms are real and which are false to further improve a low false-positive alarm rate.

Over time, the system learns the scene and is able to prioritize important events based on user feedback. This increases sensitivity to conditions that are of concern while reducing false alarms to keep the focus on what matters.

KEY FEATURES

- Pattern-based object classification and tracking technology.
- Continuously self-learning analytics with no manual calibration required.
- Efficient installation and setup.
- Operator input teach-by-example technology.
- Embedded in cameras for resolutions 1-16 MP.
- Analytics appliances for any IP cameras or analog system.
- Real time analytic rule-based alarm notifications.
- Fully integrated with Avigilon Control Center™ software for an end-to-end analytics solution.
- Powerful forensic video analytics accelerates forensic search times using a fully unified ACC™ client.
- Cost effective. No additional servers required.
- No additional licensing required for analytics and rules-based events.

Key Features and Benefits

Ease of installation and ongoing accuracy

Point-and-shoot system setup. Self-learning video analytics works out of the box with no manual calibration required.

Self-learning analytics lower false alarm rates

Analytics continuously adjust to increase detection and confidence levels.

Broad variety of devices

Avigilon devices embedded with self-learning video analytics include appliances and cameras with resolutions from 1 MP to 5K (16 MP).

Pattern-based object classification and tracking technology

Object classification and tracking using pattern-based analytics algorithms are tuned to recognize people and vehicles, while ignoring nuisance motion.

Operator input teach-by-example technology

Teach-by-example technology enables users to provide feedback to the system about accuracy, which further enhances the pattern-based analytics database.

Integrated with Avigilon Control Center (ACC)

Fully integrated with ACC client and ACC mobile so that users can respond in real time even from mobile devices. Analytic alarm notifications can be automatically sent to any authorized client based on configured rules.

Analytics appliances for IP cameras or analog system

Add self-learning video analytics to IP or analog surveillance camera with Avigilon analytics appliances.

Idle scene mode

Idle scene mode reduces bandwidth and storage, and is triggered by analytics specific objects rather than motion detection.

Powerful forensics

Forensic search capabilities of analytics events accelerate search times using a fully unified ACC client.

Cost effective

No additional servers required.

No licensing required

Fully embedded edge analytics with no additional rules-based licensing on cameras

The Avigilon Video Management Solution

Avigilon Control Center (ACC) video management software provides the ability for analytics events and alarms to be viewed and searched through an intuitive user interface. Real-time events and forensic capabilities detect and notify scene changes, missing objects and rules violations — all through an easy-to-use interface. Avigilon Control Center software gives you full control over playback of events, enabling you to quickly retrieve evidence to speed up response times and investigations.

RULES AND ALARMS

The Avigilon Control Center rules engine enables you to selectively apply analytics-based events as alarms and rule triggers, providing local or mobile users with immediate notifications for suspicious activities.

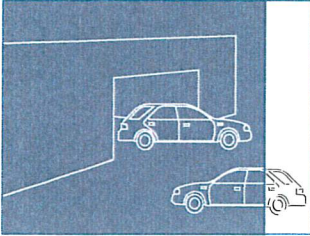
INTELLIGENT SEARCH OF CLASSIFIED OBJECTS

Avigilon Control Center software uses powerful analytics technology to intelligently search for specified events of classified objects to help you find the video you need quickly.

Avigilon Analytics Rules

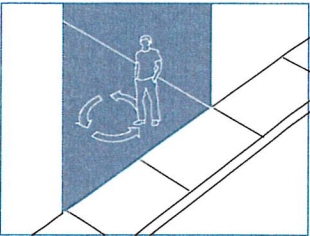
The following is a complete list of Avigilon self-learning video analytics features for object detection and classification for live or forensic events. The following images are for illustration purposes only.

OBJECTS IN AREA



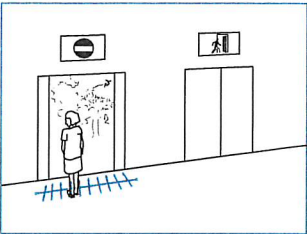
The event is triggered when the selected number of objects are present in the region of interest. The object can appear from within the region of interest or enter from outside the region of interest.

OBJECT LOITERING



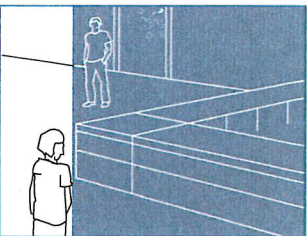
The event is triggered for each object that stays within the region of interest for an extended amount of time.

OBJECTS CROSSING BEAM



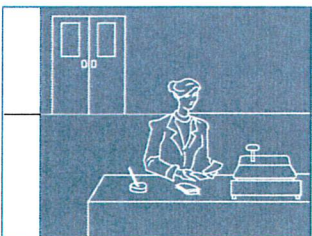
The event is triggered when the specified number of objects have crossed the directional beam that is configured over the camera's field of view in the selected time period. The beam can be unidirectional or bidirectional.

OBJECT APPEARS OR ENTERS AREA



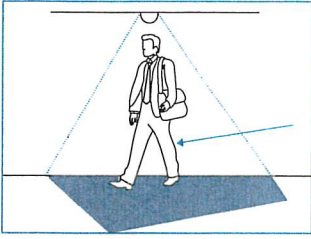
The event is triggered by each object present in the region of interest. The object can appear from within the region of interest or enter from outside the region of interest.

OBJECT NOT PRESENT IN AREA



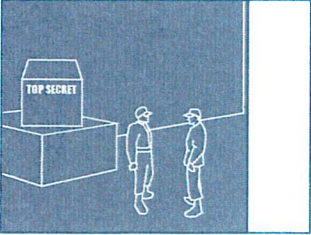
The event is triggered when no objects are present in the region of interest.

OBJECTS ENTER AREA



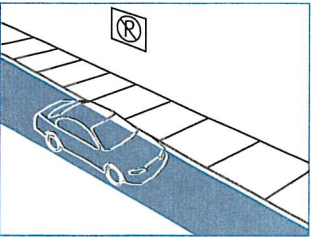
The event is triggered when the specified number of objects have entered the region of interest from outside of the region.

OBJECTS LEAVE AREA



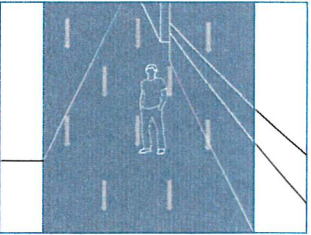
The event is triggered when the specified number of objects have left the region of interest.

OBJECT STOPS IN AREA



The event is triggered for each object in a region of interest that stops moving for the specified threshold time.

DIRECTION VIOLATED



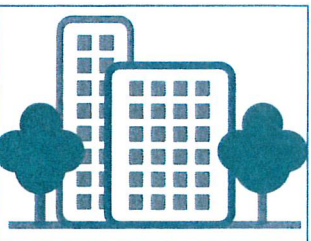
The event is triggered for each object that moves in the prohibited direction of travel.

CAMERA TAMPERING



The event is triggered when the scene unexpectedly changes.

IDLE SCENE MODE

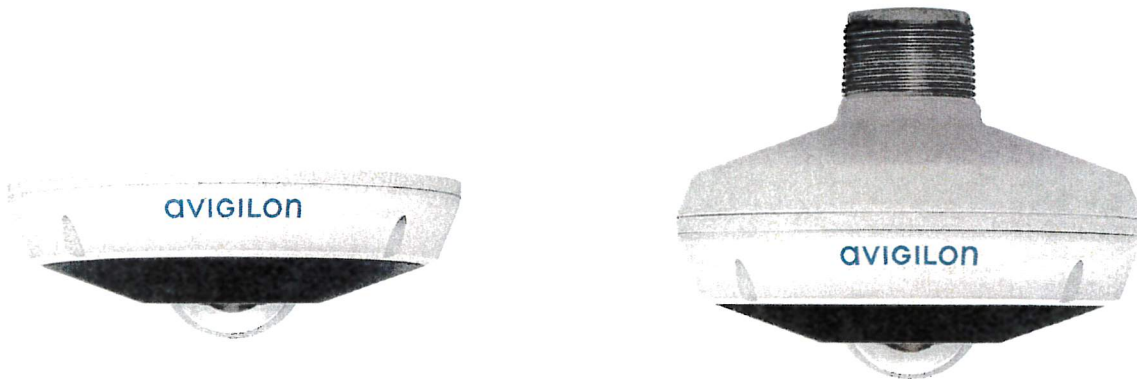


Analytic capable cameras will stream at a different image rate and reduced quality while no events are detected in the scene.

H4 Fisheye Camera Line

The new Avigilon™ H4 Fisheye camera line is designed to provide a complete high resolution 360-degree panoramic view of a scene with no blind spots. The H4 Fisheye camera line is a cost-effective, easy-to-install solution designed to provide clear image detail and broad coverage with fewer cameras.

By providing quality imaging and situational awareness, the H4 Fisheye camera is an essential component of the complete Avigilon solution and a valuable addition to any existing surveillance solution.



The H4 Fisheye has a sleek, low-profile design making it suitable for installations where aesthetics are important and allowing it to fit in with architectural features without detracting from the surroundings. Its IK10-rated, vandal-proof and IP66 weather protected housing is ideal for indoor and outdoor environments such as retail stores, theatres, gas stations, manufacturing, healthcare, commercial and educational facilities.

Built on the H4 platform, the H4 Fisheye is available in 6 and 12 megapixel (MP) camera resolutions. It delivers exceptional image quality even in harsh environments and lighting conditions, and keeps bandwidth and storage to a minimum. Its content adaptive IR technology provides effective brightness while maintaining excellent scene illumination in dark environments. The H4 Fisheye also allows users to zoom in, focus and investigate a region of interest (ROI) in live or recorded video while preserving full situational awareness.

Harnessing the strength of Avigilon Control Center (ACC)™ software, High Definition Stream Management (HDSM)™ technology and idle scene mode technology, the H4 Fisheye camera intelligently and efficiently manages video data, lowering bandwidth and storage. The powerful client-side de-warping coupled with virtual PTZ technology allows easy navigation through live or recorded video, enabling security operators to view and track an object of interest from point A to B.

KEY FEATURES

6.0 and 12.0 megapixel resolution models

360 degree field of view fisheye lens

Patented High Definition Stream Management (HDSM)™ Technology

Content adaptive IR technology provides effective illumination through the field of view, while maintaining excellent scene illumination

Integrated IR (Infrared) LEDs provide uniform illumination in the dark, even at 0 lux, up to a maximum of 10 m (32.8 ft) away

Idle Scene Mode lowers bandwidth and storage usage if there are no motion events detected in the scene

IP66 certification offers total dust ingress protection and protection against high-pressure water jets

Avigilon LightCatcher technology provides exceptional image quality in low light environments

Vandal resistant with IK10 impact rating

ONVIF Profile S Compliant

H4 SL Dome Camera with LightCatcher™ Technology

The H4 SL camera line has an innovative and modular design that is easy to install. Built on the H4 platform, it combines our patented LightCatcher and Wide Dynamic Range (WDR) technologies to provide exceptional image quality in complex lighting.

Using HDSM SmartCodec™ and idle scene mode technologies, the H4 SL camera optimizes video streams in real time, minimizing bandwidth and storage requirements while maintaining clear, detailed images. It integrates with Avigilon Control Center™ video management software (VMS), and is ONVIF-compliant for integration with a third-party VMS. With significant improvements to bandwidth savings and lower storage retention, as well as its easy-to-install, modular design, the H4 SL camera line adds even more value than before, lowering your total cost of ownership.



Straight out of the box, the H4 SL camera is designed and packaged for simple ordering and quick and flexible installation. This camera line's discreet and modular design allows it to seamlessly fit in to its surroundings.

The H4 SL camera's IK10-rated, vandal-resistant and IP66 dust and water-resistant housing (outdoor model only) make it ideal for monitoring a variety of indoor and outdoor environments, such as hallways, public entrances and lobbies of banks, schools, retail outlets and hotels.

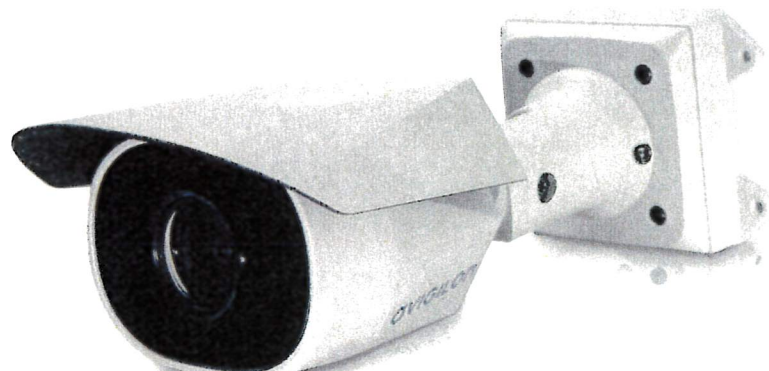
Avigilon HDSM SmartCodec technology H4 SL optimizes the video stream in real time using automatic ROI encoding to save bandwidth and storage requirements while maintaining image quality.

KEY FEATURES

- 1.3, 2.0 and 3.0 megapixel resolution models
- Innovative modular design for quick and easy installs
- 3-9 mm F/1.4 lens with remote zoom and focus
- Content adaptive IR technology provides effective illumination through the field of view, while maintaining exceptional scene illumination
- Wi-Fi camera configuration support
- Avigilon LightCatcher technology provides exceptional image quality in low light environments
- Dual exposure Wide Dynamic Range for complex lighting environments
- Integrated IR (Infrared) LEDs provide uniform illumination in the dark, even at 0 lux, up to maximum of 15 m (~50 ft) away (outdoor model only)
- Avigilon HDSM SmartCodec technology for reduce bandwidth and storage requirements
- Idle scene mode lowers bandwidth and storage usage if there are no motion events detected in the scene
- (Outdoor model only) IK10 vandal resistant construction and IP66 compliant

H4 SL Bullet Camera with LightCatcher™ Technology

The H4 SL camera line has an innovative and modular design that is easy to install. Built on the H4 platform, it combines our patented LightCatcher and Wide Dynamic Range (WDR) technologies to provide exceptional image quality in complex lighting. Using HDSM SmartCodec™ and idle scene mode technologies, the H4 SL camera optimizes video streams in real time, minimizing bandwidth and storage requirements while maintaining clear, detailed images. It integrates with Avigilon Control Center™ video management software (VMS), and is ONVIF-compliant for integration with a third-party VMS. With significant improvements to bandwidth savings and lower storage retention, as well as its easy-to-install, modular design, the H4 SL camera line adds even more value than before, lowering your total cost of ownership.



Straight out of the box, the H4 SL camera is designed and packaged for simple ordering and quick and flexible installation. The discreet and modular design of this camera line allows it to seamlessly fit in to its surroundings. Bullet models have interchangeable brackets for maximum flexibility in mounting options, they can be vertically or horizontally-mounted with a versatile sunshade for unobstructed views.

The H4 SL camera's IK10-rated, vandal-resistant and IP66 dust and water-resistant housing make it ideal for monitoring a variety of indoor and outdoor environments, such as hallways, public entrances and lobbies of banks, schools, retail outlets and hotels.

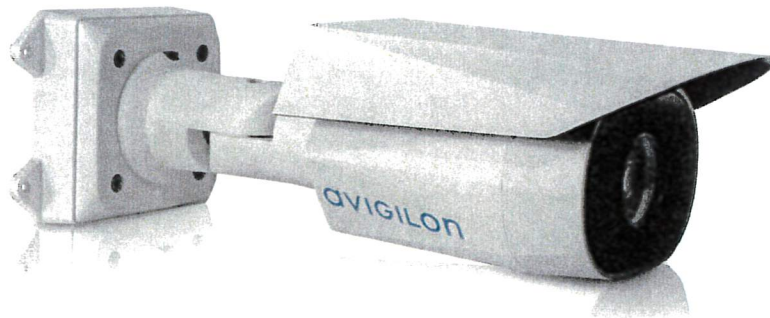
Avigilon HDSM SmartCodec technology H4 SL optimizes the video stream in real time using automatic ROI encoding to save bandwidth and storage requirements while maintaining image quality.

KEY FEATURES

- 1.3, 2.0 and 3.0 megapixel resolution models
- Innovative modular design for quick and easy installation
- 3-9 mm F/1.4 lens with remote zoom and focus
- Content adaptive IR technology provides effective illumination through the field of view, while maintaining exceptional scene illumination
- Wi-Fi camera configuration support
- Avigilon LightCatcher technology provides exceptional image quality in low light environments
- Dual exposure Wide Dynamic Range for complex lighting environments
- Integrated IR (Infrared) LEDs provide uniform illumination in the dark, even at 0 lux, up to maximum of 15m (~50ft) away (outdoor model only)
- Avigilon HDSM SmartCodec technology for reduce bandwidth and storage requirements
- Idle scene mode lowers bandwidth and storage usage if there are no motion events detected in the scene
- IK10 vandal resistant construction and IP66 compliant
- Avigilon HDSM SmartCodec technology for reduce bandwidth and storage requirements

H4 HD Bullet Camera with Self-Learning Video Analytics

Avigilon offers a broad range of high definition cameras – from 1 – 5 MP and 4 – 7K (based on horizontal resolution) – and are available in a variety of formats, including dome, panoramic and fixed. Whether it's a small storefront that requires a few cameras or a large complex system requiring complete coverage of numerous areas, you can trust that you're getting an exceptional solution for your security needs.



The H4 HD Bullet camera from Avigilon is ideal for seeing objects and activity in complete darkness. Embedded with self-learning video analytics, the H4 HD cameras seamlessly integrate with Avigilon Control Center (ACC)™, allowing security personnel to respond proactively and mitigate an incident before damage is done.

KEY FEATURES

With unique adaptive IR technology, this camera provides both wide and narrow illumination, enabling consistent illumination in complete darkness to enhance image quality regardless of scene conditions. Avigilon bullet cameras are equipped with new Triple Exposure Ultra-Wide Dynamic Range (WDR) and patented LightCatcher™ technology, ensuring you receive excellent image detail. Onboard storage capabilities let you manage storage directly on the camera using a standard SD memory card. Avigilon HDSM SmartCodec technology™ H4 platform optimizes the video stream in real time using automatic ROI encoding to save bandwidth and storage requirements while maintaining image quality.

1-5 megapixel and 4K Ultra HD (8 MP) resolution

Patented Advanced Video Pattern Detection and Teach by Example Technology

Self-learning video analytics

Patented High Definition Stream Management (HDSM)™ Technology

Available with 3-9 mm F1.3, 4.3-8 mm F1.8, or 9-22 mm F1.6 P-Iris lens with remote focus and zoom

Wifi camera configuration support

Avigilon LightCatcher technology provides exceptional image quality in low light environments

Triple Exposure Ultra Wide Dynamic Range (1-3 MP models)

Integrated IR (Infrared) LEDs provide uniform illumination in the dark, even at 0 lux, up to maximum of 70 m (230 ft) away

Zoom and content adaptive IR provides effective illumination throughout zoom positions, while maintaining the best scene illumination

Avigilon HDSM SmartCodec technology for reduce bandwidth and storage requirements

Idle Scene Mode lowers bandwidth and storage usage if there are no motion events detected in the scene

Vandal resistant construction and IP66 compliant

ONVIF compliant with version 2.2.0 of the Analytics Service Specification

Full Feature or High Framerate camera operating modes (4K Ultra HD model)

H4 Mini Dome Camera

The H4 Mini Dome is the smallest and most discreet camera within the Avigilon H4 platform, ideal for space-constrained applications requiring a minimal footprint surveillance camera. The innovative and modular design of this camera line allows it to snap into surface, in-ceiling, or pendant mount adaptors to easily fit challenging installations. This camera line provides exceptional image quality, LightCatcher™ technology, dual exposure true Wide Dynamic Range (WDR) and adaptive IR on selected variants, all at an entry level price point. Using HDSM SmartCodec™ technology, Idle Scene Mode technology and patented High Definition Stream Management™ technology, H4 Mini Dome cameras minimize bandwidth and storage requirements, while maintaining a high-quality image.



Standard surface mount model has a footprint of only 2.9 inches, extending 2.0 inches from the installation surface. The optional in-ceiling adapter offers a profile of only 1.5 inches, with a footprint of 3.5 inches. This camera line is ideal for space-constrained or discreet applications while providing an aesthetically pleasing solution for indoor environments such as hallways, public entrances and lobbies of banks, schools, retail outlets and hotels.

H4 Mini Dome's state-of-the-art modular design allows it to snap into your choice of base, easily switching between surface, in-ceiling, and pendant mounts. This design reduces installation time and provides flexibility to installers. The optional black accessories provide further customization to match the environment.

Combining the powers of our HDSM™, HDSM SmartCodec, and Idle scene mode technologies along with the easy to install modular design, the H4 Mini Dome camera line provides a reliable security solution with minimal total cost of ownership.

KEY FEATURES

1.3, 2.0 and 3.0 megapixel resolution models

Fixed 2.8mm, f1.2 lens

Small, discreet form factor ideal for indoor applications

Innovative modular design for quick and easy installation

Content adaptive IR technology provides effective illumination through the field of view, while maintaining exceptional scene illumination

Avigilon LightCatcher technology provides exceptional image quality in low light environments

Dual exposure Wide Dynamic Range for complex lighting environments

Integrated IR LEDs provide uniform illumination in the dark, even at 0 lux, up to maximum of 10m (32ft) IR on selected models

Avigilon HDSM SmartCodec Idle scene mode technology for reduced bandwidth and storage requirements

Integrates with Avigilon Control Center™ video management software (VMS), and is ONVIF-compliant for integration with a third party VMS.

H4 HD Indoor Dome Camera with Self-Learning Video Analytics

Avigilon offers a broad range of high definition cameras – from 1 – 5 MP and 4 – 7K (based on horizontal resolution) – and are available in a variety of formats, including dome, panoramic and fixed. Whether it's a small storefront that requires a few cameras or a large complex system requiring complete coverage of numerous areas, you can trust that you're getting an exceptional solution for your security needs.

The innovative H4 HD indoor dome cameras are just one way Avigilon can help provide effective monitoring and protection.



The H4 HD indoor dome cameras are a great solution for monitoring both daytime and nighttime activities. Embedded with self-learning video analytics, the H4 HD cameras seamlessly integrate with Avigilon Control Center (ACC)™, allowing security personnel to respond proactively and mitigate an incident before damage is done. They feature an integrated lens for remote focus and zoom control and are ONVIF compliant for easy integration.

Avigilon's indoor dome cameras are equipped with new Triple Exposure Ultra-Wide Dynamic Range (WDR) and patented LightCatcher™ technology, ensuring you receive excellent image detail. P-Iris control also allows the cameras to automatically set their iris position to enhance image quality in all lighting conditions, while onboard storage capabilities let you manage storage directly on the cameras using a standard SD memory card. Avigilon HDSM SmartCodec technology™ H4 platform optimizes the video stream in real time using automatic ROI encoding to save bandwidth and storage requirements while maintaining image quality.

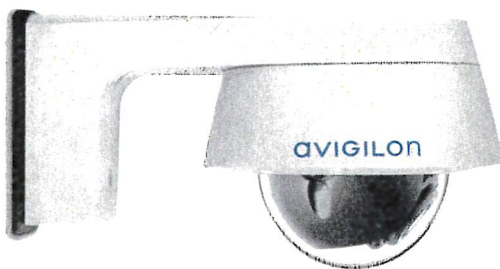
KEY FEATURES

- 1-5 megapixel and 4K Ultra HD (8 MP) resolution
- Patented Advanced Video Pattern Detection and Teach by Example Technology
- Self-learning video analytics
- Patented High Definition Stream Management (HDSM)™ Technology
- Wi-Fi camera configuration support
- Available with 3-9 mm F1.3, 4.3-8 mm F1.8, or 9-22 mm F1.6 P-Iris lens with remote focus and zoom
- Zoom and content adaptive integrated IR (Infrared) LEDs provide uniform illumination in the dark, even at 0 lux, up to a maximum of 30 m (98 ft) away
- Avigilon LightCatcher technology provides exceptional image quality in low light environments (1-5 MP models)
- Triple Exposure Ultra Wide Dynamic Range (1-3 MP models)
- ONVIF compliant with version 2.2.0 of the Analytics Service Specification
- Avigilon HDSM SmartCodec technology for reduce bandwidth and storage requirements
- Idle Scene Mode lowers bandwidth and storage usage if there are no motion events detected in the scene
- Full Feature or High Framerate camera operating modes (4K Ultra HD model)
- Vandal resistant construction

H4 HD Outdoor Dome Camera with Self-Learning Video Analytics

Avigilon offers a broad range of high definition cameras – from 1 – 5 MP and 4 – 7K (based on horizontal resolution) – and are available in a variety of formats, including dome, panoramic and fixed. Whether it's a small storefront that requires a few cameras or a large complex system requiring complete coverage of numerous areas, you can trust that you're getting an exceptional solution for your security needs.

The innovative H4 HD outdoor dome cameras are just one way Avigilon can help provide effective monitoring and protection.



The H4 HD outdoor dome cameras are a great solution for monitoring both daytime and nighttime activities, with peace of mind due to their vandal resistant construction. Embedded with self-learning video analytics, the H4 HD cameras seamlessly integrate with Avigilon Control Center (ACC)™, allowing security personnel to respond proactively and mitigate an incident before damage is done. They feature an integrated lens for remote focus and zoom control and are ONVIF compliant for easy integration.

Avigilon outdoor dome cameras are equipped with new Triple Exposure Ultra-Wide Dynamic Range (WDR) and patented LightCatcher™ technology, ensuring you receive the excellent image detail. P-Iris control also allows the cameras to automatically set their iris position to enhance image quality in all lighting conditions, while onboard storage capabilities let you manage storage directly on the cameras using a standard SD memory card. Avigilon HDSM SmartCodec technology™ H4 platform optimizes the video stream in real time using automatic ROI encoding to save bandwidth and storage requirements while maintaining image quality.

KEY FEATURES

1-5 megapixel and 4K Ultra HD (8 MP) resolution

Patented Advanced Video Pattern Detection and Teach by Example Technology

Self-learning video analytics

Patented High Definition Stream Management (HDSM)™ Technology

Available with 3-9 mm F1.3, 4.3-8 mm F1.8, or 9-22 mm F1.6 P-Iris lens with remote focus and zoom

Wifi camera configuration support

Zoom and content adaptive integrated IR (Infrared) LEDs provide uniform illumination in the dark, even at 0 lux, up to a maximum of 30 m (98 ft) away

Avigilon LightCatcher technology provides exceptional image quality in low light environments

Triple Exposure Ultra Wide Dynamic Range (1-3 MP models)

ONVIF compliant with version 2.2.0 of the Analytics Service Specification

Vandal resistant construction and IP66 compliant

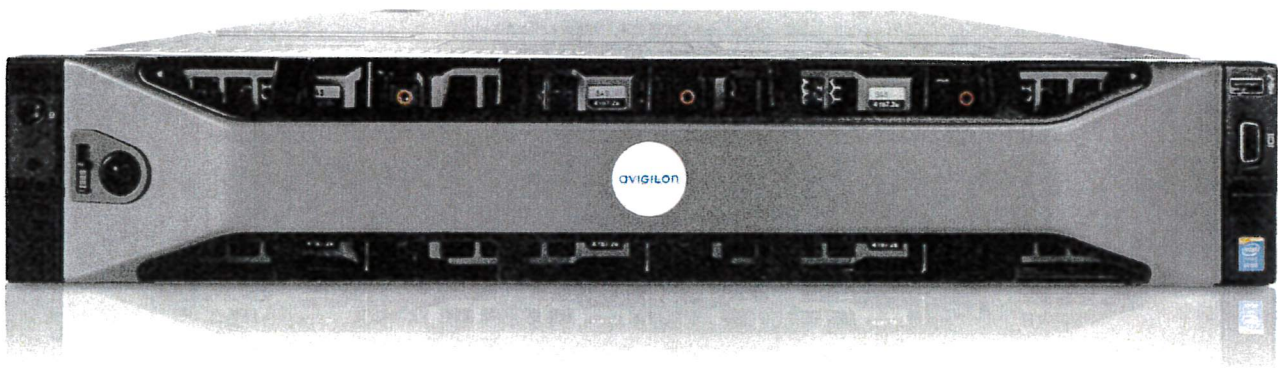
Avigilon HDSM SmartCodec technology for reduce bandwidth and storage requirements

Idle Scene Mode lowers bandwidth and storage usage if there are no motion events detected in the scene

Full Feature or High Framerate camera operating modes (4K Ultra HD model)

HD NVR Premium

Avigilon HD Network Video Recorders (NVRs) provide secure, reliable and scalable platforms for high performance end-to-end security solutions. Our network security recorders have Avigilon Control Center (ACC) software preloaded and configured for plug-and-play network video recording and management of multi-megapixel IP cameras, up to our industry-leading 7K (30 megapixel) HD Pro.



The Avigilon HD NVR Premium is a 2U rack mountable recorder specifically manufactured for the Avigilon ecosystem. It leverages the full power of Avigilon Control Center (ACC) software to deliver the highest available throughput, retention, and availability in the NVR line. The NVR Premium meets the requirements of IP video and video analytics metadata storage. It's backed by the Avigilon three-year warranty, which provides businesses with support and onsite parts delivery for continuous recording and retention of video while minimizing disruptions to security operations.

The HD NVR Premium is an out-of-the-box, ready to deploy video recording platform designed for single site surveillance or to be distributed across multiple remote sites.

KEY FEATURES

- Preloaded and configured with ACC™ video management software
- High performance of up to 1670 Mbps of total throughput – simultaneous recording, playback and live streaming
- Highly scalable capacity options — up to 137TB of recording for long-term video retention
- Hot-swappable components maintain video recording and playback operations even in the event of multiple component failures
- Separation of operating system and video storage volumes to enable independent, non-disruptive maintenance
- An easy to access and maintain 2U rack mount chassis — includes a sliding rail kit and cable management system
- A three-year warranty with on-site parts delivery service

SCOPE OF WORK

Project Overview:

The Georgetown County School District (hereinafter referred to as the District) has 21 locations throughout Georgetown County. The District would like to replace all existing cameras and supporting equipment and software.

Project Objectives:

Primary objectives are as follows:

- Develop safe and secure facilities for all staff, students and public
- Implement the maximum amount of video surveillance as possible
- Specify products that are reliable, durable and user friendly
- Specify a user friendly software where video retrieval is simplistic

Contractual documentation:

This contract is being awarded as a result of the SC Participating Addendum to the NASPO (State of Nevada) solicitation for Security and Fire Protection Services. All terms and conditions of the original solicitation, and any additional and/or conflicting requirements as amended through the participating addendum, shall govern this contract from inception through completion.

Installation & Configuration:

- Codelyn, the awarded Contractor (hereinafter, referred to as Contractor), shall be responsible for all configuration of the system, with input from school administration and staff.
- Contractor will be responsible for all installation and shall be coordinated with Georgetown County School District Security and IT Departments.

Work Site Information and Requirements:

The Supplier is responsible for obtaining site information from the Georgetown County School District Representative with regards to: security restrictions, delivery and unloading location and conditions, hours of operation for the work site, times for installation and wearing of protective clothing, wearing of identification badges or name tags, and all other information that will affect the delivery, unloading and installation of the IP CCTV System. All contractors must follow the site safety requirements.

Cleanliness:

All packaging materials must be carefully removed from the premises and placed in the delivery vehicle. No packaging of any kind must be left on the premises. The work site must also be left in a clean condition with all work done to the entire satisfaction of the School District's Representative

SCOPE OF WORK

All equipment removed from the site shall be packaged and stored in a location for the District's staff to remove. All cameras shall be boxed in bulk and stored for pickup.

When a DVR is removed, District staff shall be notified immediately for pickup.

Damage:

The contractor shall be responsible for the reinstatement and repair of all items damaged because of the work. These include, but are not limited to walls, doors, door frames, floors and flooring, windows, any equipment and furnishings, vehicles, construction equipment, signs, utilities, and any other materials or items. Such repair must be completed prior to final payment.

Final Inspection:

The Contractor shall notify the School District in writing when, in the Contractor's opinion, the work has been completed for each school location. The School District's Representative will arrange a final inspection of the site with the Contractor and associated School District Staff.

Service & Support:

The Vendor's submission shall include costs of service and support either by hourly cost or by a Service Agreement. The vendor shall provide the costs of any Software Maintenance Agreements over a 3-year period. The vendor shall provide the license fee per camera. The vendor shall provide a time schedule or response time for service calls to the system.

Training:

The Contractor will provide training on the camera software and equipment with Administration staff, Local school staff and IT.

Guarantee/Warranty Period:

All workmanship and material are to be guaranteed for a period of one (1) year for labor and three years for parts unless otherwise stated. All warranties start from the completion date of the project and all work must be performed to the satisfaction of the School District.

New system requirements:

IP Based CCTV Camera System

General

The system proposed shall:

- Be an IP based solution with the hardware and software provided by Avigilon
- Be ONVIF compatible
- Use a capture rate of at least ½ of the maximum fps per camera
- Utilize vari-focal lenses as required

SCOPE OF WORK

- Use FT6 cable for data runs
- Offer True Day/Night capability as required
- Utilize I/R cut filters
- Recommended to have a combination of 2, 3, 5, 8 and 12 MP cameras as noted on the plans

Storage Solution

- 30 Days Storage
- Warranty of Servers must have a 3 year 4 hour response from Dell

Further Details:

The proposed system shall have:

- Avigilon Control Center software
- Software/Cameras that support m-jpeg, mp4, H.264 & jpeg2000 formats
- Software that can support e-mail alerts on camera status
- Mobile and Web Gateway
- Analytics with the ability to apply People Search, Object left behind, Wrong direction, Object entering or leaving area, object in area (person only) and object stops in area.

Network:

Contractor will reuse the existing CAT 5/6 for the installation of the new cameras where available. If a camera location does not have an existing network cable, a new CAT 6 will be installed and terminated to a patch panel in the nearest IDF. Contractor will install new equipment into existing equipment racks as needed and decommission and remove obsolete equipment during the installation phase.

Prior to beginning work at a site, Contractor will provide Georgetown School District IT department a detailed camera schedule for each site and MDF/IDF to help aid in configuring the network. The schedule will include, MAC address, camera name, camera location, patch panel port number, bandwidth per device, and switch port. Contractor will request IP address and switch assignments prior to beginning installation.

Closeout documentation:

As-built drawings, Manuals, and documentation will be supplied before each school has been deemed completed.

Schedule:

Within two (2) weeks following issuance of po, Contractor shall submit a schedule to the District for all work to be performed. The District must agree to stated schedule prior to the inception

SCOPE OF WORK

of any work.

Weekly updates to the schedule via electronic means is required.

Every other week, on site, updates with applicable District staff is required.

Insurance requirements:

A certificate of insurance, in compliance with original terms and conditions, must be supplied for Contractor and any subcontractor, prior to the inception of any work.