Request for Proposal for Video Surveillance and Access Control System

Objective

The School District of Bayfield, Wisconsin is seeking proposals for the purchase and installation of a video surveillance and electronic door access control system.

Background

The District currently uses Axis cameras and door access controllers with an on-premise storage and video management server. Our goal with this project is to improve camera coverage throughout our Bayfield buildings, improve video sharing options, simplify system maintenance, improve system notifications, and add audio recording to our future surveillance system. We want our future system to be cloud based and easily expandable without having to upgrade on-premise equipment.

System Requirements

- The cameras shall cover all internal hallways, entrances, and common areas (One vendor did a site survey, and suggested 50 interior cameras, including a number of fisheye lens cameras to capture multiple views in some areas.)
- The exterior cameras shall cover areas outside door 6, outside the main door to the TechEd building, outside door 8, outside the main entrance (door 2), the student parking lot area, and the playground area outside door 3 (one vendor did a site survey, and suggested 5 exterior cameras)
- The door access system will cover 13 exterior door locations, and 10 interior locations. The 13 exterior locations have a total of 28 doors. There will be card readers at 9 of the exterior door locations, and door position sensors at all 28. The readers will unlock from 1-4 doors, depending on location. The interior doors will all have readers; 9 are single doors and 1 is a double door. All doors already have readers, door position sensors, and electronic strikes or motorized crash bars.

We hope to keep all of this equipment in place, and just replace the door controllers.

- capability to record audio with video
- 30 days of video retention, preferably on the cameras, or in the cloud
- browser-based cloud interface for all tasks, including video management, door access controls, and system management
- standard RJ45 connectivity with Power Over Ethernet (POE) capability for receiving power
- notification system that can report unusual activities, like doors accessed, unlocked, or propped open after hours
- event notification delivery by email, SMS, and/or mobile app
- multiple camera options, including indoor, outdoor, dome or fisheye, varifocal lenses, up to 4K resolution
- the ability to share different views, cameras, or recordings to different users
- day and night viewing and recording capability
- capability to record based on motion detection
- multiple granular levels of user access, based on user, door, camera, tag, group, date, or time
- capability of easily adding more cameras or door controllers to system as needed
- door access system should be able to lock/unlock on a schedule, either as single or repeated events
- access cards or devices should be secure, and not capable of being easily "skimmed" or hacked
- door access system should work with District's existing cards and readers already installed (HID brand)
- door access system should log all entries and denials
- door access system should be capable of managing access by user, date, time, and door
- door access system should have the ability to disable access cards or devices on demand, or schedule expiration dates and times

Additional preferences

- door access system should have the ability to lock/unlock any or all doors on command, with a software and/or hardware "button"
- capability of adding environmental sensors to system that integrate with notification system
- advanced computer vision capabilities like filtering video based on identifiable characteristics like color of vehicles or clothing, or generating "heat maps"
- multiple factor authentication
- capability of archiving video footage with unlimited storage in the cloud, indefinitely, if necessary for ongoing cases
- capability of sharing video across multiple platforms without proprietary software or plug-ins

Vendor Responsibilities

- Vendor is responsible for providing and installing all necessary equipment and wiring, unless otherwise noted.
- Vendor is responsible for all labor, necessary tools and equipment, initial configuration of the system, and training of key staff members on the use of the system.
- System installation will be done and completed during summer when school is not in session.
- Installation will occur during normal hours of operation (8am-4pm) unless other arrangements are made.
- Vendor should be capable of providing service and support for the installed system in a timely manner.

District Responsibilities

- The District will provide network wiring to each camera and door location.
- The District already has HID card readers, door position sensors, and either electronic door strikes or motorized crash bars at each door.

- The District contact will provide access for one-time site surveys and/or meetings for interested bidding parties, and will answer questions relevant to the installation and integration with the existing network. Site surveys must be during the week of March 28th-April 1st, 2022, when students are out of the building for spring break.
- The District contact will provide access to the building to the vendor for installation as needed.
- The District contact will provide necessary information for connecting the system to the District's network.
- The District's IT Systems Administrator will be the main point of contact for installation and questions about the network:

Chris Plansky
IT Systems Administrator
715-779-3201 ext. 107
baytech@bayfield.k12.wi.us

Bidding information

In accordance with Board policy, interested vendors are invited to file sealed bids with the District Superintendent. All bids must be received by mail by April 20, 2022. All bids will be opened by the District Superintendent at the School Board Finance Committee meeting on April 21, 2022. Bid specifications may be obtained from the District web site or the District Office at 715-779-3201 ext. 100. The District reserves the right to reject any or all bids for any reason, and to waive any technicalities.

Please address bids to:

School District of Bayfield
300 N 4th St
Bayfield, WI 54814
Attn: Linda Weber - Surveillance / Access Control Bid