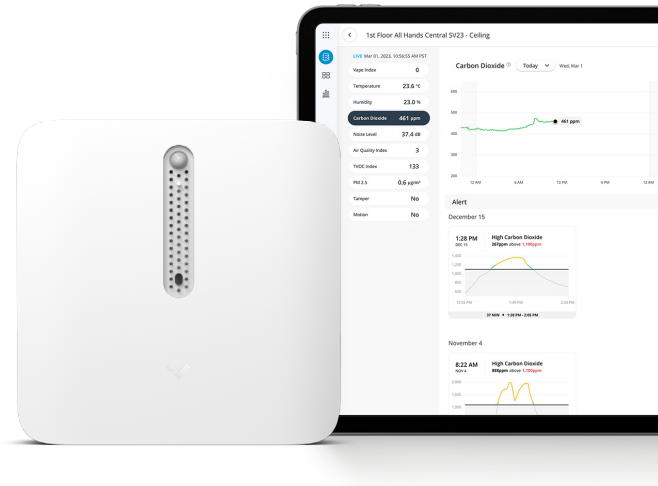
Protect Students and Schools with Integrated Sensors

The SV20 series sensors are all-in-one air quality sensors benefiting the everyday lives of students and staff by:

- Ensure buildings and infrastructure operate optimally
- Provide critical insights into undesirable behavior
- Monitor cleaning, IT equipment and food storage
- Remotely access via Command on web and the mobile app



Trusted by countless school customers

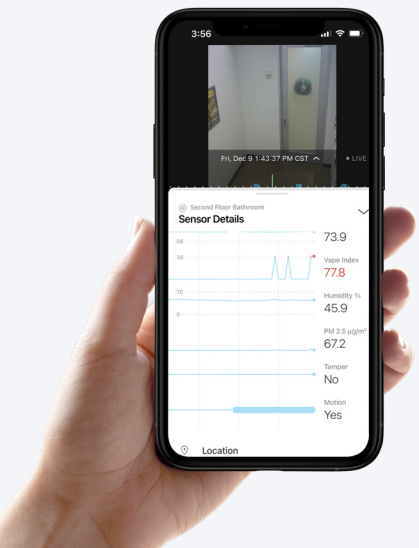
"The Sensor cuts down our response time to incidents down to a matter of 2-3 minutes. We also use a combo of temperature, motion, and noise readings to detect large gatherings, fights and other scenarios in bathrooms that we don't want."

Dustin Osborne ,
Director of Technology
ISD 446 Independence, KS

Key benefits

Lower total cost of ownership

The SV20 is an all-in-one environmental sensor, which reduces the need to purchase, deploy and manage multiple devices.



Actionable data and alerts

From the faculty to the IT team to facilities to the food staff, SV20 Sensors deliver real-time insights on any device.

Stay ahead of events

Alert setup takes a matter of minutes and receive notifications in real-time. via phone or email.

Natively integrated platform

One-click pairing with a Verkada camera for enhanced visibility into the school's environment to understand why specific readings or events are occurring in the environment.

Simple to set up

With just an Ethernet cable, teams can bring up their SV20 Sensors in minutes. No configuration software or calibration required.

Easy to use

User-friendly set-up and management reduces the dependence on your IT team.

Coverage built-in

Verkada offers a 10-year hardware warranty and automatic software and firmware updates, lowering the total cost of ownership.

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Use cases

Vape detection

Teachers and the other faculty can leverage the vape and smoke detection sensor in bathrooms and locker rooms to help identify vape events on campus. When paired with a Verkada camera outside of the bathroom or locker room, school leaders can capture additional evidence to help address, prevent and deter on-campus vaping.

Server room monitoring

Schools today depend on high-speed internet connectivity and 100% uptime for key IT resources. To protect valuable IT infrastructure and avoid costly downtime, schools can use the SV20 series to proactively monitor temperature and humidity in IDF closets. By monitoring these conditions and receiving alerts in real-time as conditions deviate from pre-set levels, school IT professionals can ensure server and device uptime even when they're not on site.

Air quality monitoring

Indoor school environments often contain unnoticed indoor pollutants, which are present in most buildings at 2-5 times the levels found outdoors and can cause a variety of health problems, including: headaches, fatigue, sore throat, dizziness and more. By monitoring CO_2, PM2.5 and other indoor air quality essentials, schools can improve the health and safety of their indoor school environments.

Food storage

Schools often have on-campus dining options and associated food service assets such as refrigerators and freezers. If a door is left open or if one of these assets experiences unexpected downtime, school facilities can strain to meet the needs of students. As such, schools can use Verkada's SV20 series sensors to monitor refrigerators and freezers in cafeterias to minimize food spoilage and maximize freshness.

Sensor models

The SV20 Series comes in 3 distinct Sensors that gives customers the ability to choose the right sensor for their specific use case. The SV20 Series Sensors provide organizations with a simple solution for monitoring a wide range of changes across school environments.

SV21

All in One Air Quality Sensor

- Carbon Dioxide
- Tamper Detection
- Temperature
- Relative Humidity

Best for

Meeting Rooms
Classrooms
Server Rooms

SV23

Everything in the SV21 Plus

- AQI
- TVOC
- Motion
- Vaping/ Smoking
- Noise
- PM 2.5

Best for

Vape Detection
Air Quality
Offices

SV25

Everything in the SV23 Plus

- Light
- Barometric Pressure
- Formaldehyde
- Carbon Monoxide

Best for

Health Monitoring
Specialty Monitoring
Green Buildings

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