



Detect vaping in real time

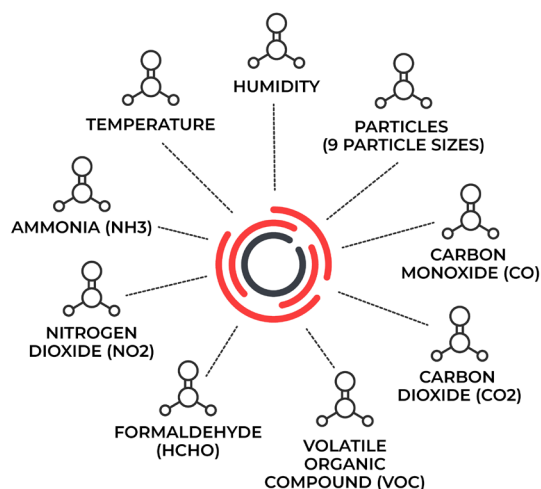


VapeDetect is an environmental air sensor that can help school administrators proactively combat the use of e-cigarettes by young people. According to the [CDC](#), 99% of e-cigarettes contain nicotine, the addictive drug in regular cigarettes and other tobacco products. Use of nicotine in adolescence can harm the brain and may increase the risk for future addiction to other drugs.¹

Monitor discreetly

Monitor air quality and detect vaping in areas where cameras can't be placed, such as school bathrooms and locker rooms. The detector can be installed in existing exhaust fan ducting or recessed into the ceiling with a vent cover, making it invisible to students and helping minimize the damage or interference.

Using a combination of air sensors and our proprietary algorithm, VapeDetect reliably detects vaping. Detection levels are pre-set based on real-world testing and administrators can fine-tune alert thresholds.



Alert instantly

Once vaping is detected, VapeDetect immediately notifies school administrators or resource officers by text, email, web app, or an optional digital display. Alerting options can be easily configured through the administration portal.

Optional integrations can also provide the ability to extend alerting functionality, such as incorporating hallway video into alerts.

Set up easily

VapeDetect installs quickly into existing exhaust fan ducting with pre-configured options for square and common sizes of round ducting. The detector requires only a single Power over Ethernet (PoE) network cable for both power and connectivity. It also provides connectors for optional inputs and outputs.

Configuration is made easy through a cloud portal that enables new detectors to be added quickly. Over-the-air updating capability ensures VapeDetect firmware can be easily updated as new features and detection profiles become available.



¹ [CDC](#), "Quick Facts on the Risks of E-cigarettes for Kids, Teens, and Young Adults"

“This is a game changer and is really helping to curb vaping on school property.”

Nate Henyan, Yakima Police School Resource Officer

Why choose VapeDetect versus other environmental air sensors?

- **Purpose-built** and optimized for school environments, significantly reducing false vaping alarms.
- **More coverage area** means fewer sensors (and less cost) for larger rooms. Supports 12' ceiling heights; others typically limited to 8'.
- **Invisible to students** as it is installed inside exhaust ducting that are typically directly above restroom stalls where students most commonly vape. Other products advise installing away from exhaust vents.
- **Remote firmware updates** save time, money, and effort required to keep your investment up to date.
- **Customizable alerting** via email, SMS, and third-party API.

General Specifications

Operating temperature	32°F – 122°F (0°C – 50°C)
Operating humidity	0 to 90% relative humidity (non-condensing)
Power Supply	PoE IEEE 802.3af Class 3 (3W)
Dimensions	Height = 2.2", width = 3.61", length = 6.84" <i>Plus sensor tubes, which vary based on duct size</i>
Weight	520 grams
Mounting options	Exhaust duct OR self-contained recessed ceiling mount
Languages	English

Network and Interface Specifications

Ethernet	RJ-45 (10/100 Base-T)
Sensors	Temperature, humidity, particles, carbon monoxide (CO), carbon dioxide (CO ₂), volatile organic compound (VOC), formaldehyde (HCHO), nitrogen dioxide (NO ₂), and ammonia (NH ₃)
Protocols	TCP/IP, UDP, IPV4
Relay output	1 normally open or normally closed 1 A / 48 V DC
Trigger input	1 dry contact, triggers on 3.3 V
Status light	Device status and trigger status

