nano sensorics

VAPELESS PRO

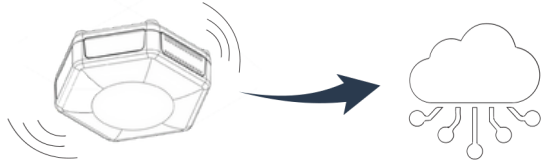Innovative Sensor Technology for Vaping and Aggression Detection

ABOUT THE COMPANY:

Nano Sensorics Company is based in Lithuania (European Union) and founded by the scientists of Lithuanian Kaunas University of Technology. Company specialize in production of innovative products based on "pattern recognition", IoT, gas analysis, and in the public, industrial, infrastructure, defense sectors.
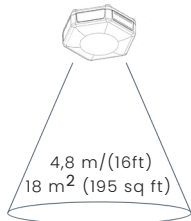
COUNTRY OF ORIGIN:

Made in the EU, **Lithuania.** Certified by: **CE, RoHS, IEC.**

Vapeless PRO is in educational settings like schools, the prevalence of vaping presents a pressing concern. Not only does it endanger the health of students and staff, but it also disrupts the learning environment and violates school policies. With the extremely increasing popularity of vaping among adolescents, there's a heightened need for reliable detection solutions. Nano sensorics offer a proactive approach to identify and address vaping incidents extremely promptly, allowing schools to uphold their standards for health and discipline and avoid the fatalchildren health damage and, death events. By implementing such technology, educational institutions can create safer spaces, reduce the use of intoxicating substances and increase the reputation of the school.
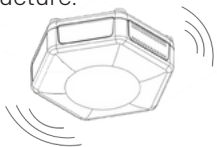

FUNCTIONALITY AND TECHNOLOGY

VAPELESS is significantly advanced vape gas detection sensor which uses advanced pattern recognition technology enabling detection of any type vaping device and any type of vaping fluids, even fluids mixed with drugs. Vapeless sensor sends instant alert to the cloud based platform which informs the responsible person about e-vaping activity. Vapeless is absolute silent which gives significant advantage to identify the vaping subject.

4,8 m/(16ft)
18 m² (195 sq ft)

SENSITIVITY AND ACCURACY

E-vaping gases with variuos mixes of the flavors and oils, such as nicotine, THC, fentanyl synthetic cannabinoids, rat poisons, phenobarbital and others. **Vapeless detection speed:** within the seconds; Detection distance: up to 4,8 m diameter and area up to 18 m² The detection distance highly depends on the number of the toilet cabins, area layout structure.

DESIGN AND DURABILITY

Antivandal enclosure is made from reinforced plastic, electronic system withstands mechanical shocks. Efficient system of the air inlets assures fast response of the detection. **Powered** with AC power and Li-Ion batteries;

CONNECTIVITY

Vapeless is connected through LoRaWAN IoT secure network. Cybersecurity is assured through triple encryption method and through secure data exchange IoT gateway; up to the cloud platform.

ADVANTAGES OF THE VAPELESS:

- High and effective detection distance including low intensity e-vaping;
- **Detection of any e-vaped materials even with narcotics**;
- Detection of **iQOS, marijuana (THC) and classic cigarettes**;
- Integrated advanced **autocalibration**;
- **Cyber secure with robust encryption methods**;
- Dual powered system and power loss message alerts;
- Lifetime more than 10 years, according to the accelerated aging tests;
- Reinforced mechanical enclosure;
- Indoor temperature and humidity sensors;
- Easy deployment (plug and play);
- Modern design
- **No maintenance needed**;
- Developed and **made in EU**;
- "Pattern recognition" and laser spectrometry technology;
- **Aggression and Violence Detection**

APPLICATIONS AND USE CASES:

- Schools;
- Educational institutions;
- Office buildings;
- Hotels;
- Public transportation systems;
- Hospitals.

Sensor is practically used in the school's premises such as: toilets; cloth changing rooms; shower premises, "dark corners" of the corridors, ends of the class rooms.

BENEFITS FOR EACH APPLICATION:

"Practical case scenarios have been analyzed, and the results confirm that Vapeless prevents e-vaping by at least 90% in schools, helps avoid fatal incidents, and increases safety and the reputation of the private and public schools. The majority of parents approve of this method."

CUSTOMER SUPPORT:

- **Support Services:** Detail the customer support services available, including installation support, maintenance, and troubleshooting.

CONTACT US:

Contact the company for more information or to schedule a demonstration.
- Mobile: +370 61461649
- Email: info@nanosensorics.com
- https://www.nanosensorics.com/vapeless/