



INVID-VAPEDETECTOR
Vape Detector

Model	INVID-VAPEDETECTOR
Operating Environment	14°F ~ 122°F (-10 °C ~ 50°C) and 5 ~90%(Relative Humidity) Non-condensation Indoor Applications
Power Supply	24V DC 50W PoE
Monitoring Parameters	<ul style="list-style-type: none"> • PM1.0/PM2.5/PM10 • TVOC (Total Volatile Organic) • CO (Carbon Monoxide) • CO2(Carbon Dioxide) (Optional) • HCHO (Formaldehyde) • Noise Disturbance (Using an electret sound collector to detect and process audio analysis only without recording and/or storage abilities) • Room Temperature • Room Relative Humidity Level (%RH)
Dimension/Weight	5.7 x 1.8 in (145mm Ø x 45mm) Thick/.8 lbs (360g)
Mounting Options	Surface-Mount(Ceiling or Wall), Pole Mount(option), USP86 Conduit Adapter (option)
Tamper/Vandal	Security Screw locked in with equivalent to IK8 rated vandal proof housing
Case Material/Protection Level	ABS (Fire-prrof) /IP30
Protocols	MQTT
Interface	RS-485 (Modbus RTU), WiFi @2.4GHz 802.11b/g/n
Supporting for Wireless output	Lora, Lorawan, WiFi 2.4 (option)
Device Status Indicator	<ul style="list-style-type: none"> • Working Mode: Green light ON • Network Connection Failed: Blue light flashing • PoE failed: No light • All light are able to turn on/off via setting in Control panel
Alarm Triggers	Based on indoor multi-parameter air collection and detection, multiple alarming values can be preset, and prompts/alarms can be sent to designated personnel through email, mobile SMS and/or Mobile APP:Indoor Air Quality Index (AQI),Vape,Vape THC,Gunshot,Tamper, Particulates,Carbon Dioxide, Temperature/Humidity, and Noise Disturbance (Noise level)

RANGE AND ACCURACY OF MEASUREMENT			
PARAMETER	RANGE	RESOLUTION	ACCURACY
PM1.0 PM2.5 PM10	0~1000µg	1.0µg/m ³	Particle counting efficiency: 50% @0.3µm 98%@ ≥0.3µm Accuracy: ±3% FS(@100µm/m ³ 25°C, 50% RH)
TVOC	0 ~ 6000µg/m ³	1µg/m ³	Typical Accuracy: 8% FS (@ C2H6O,0.5ppm, Indoor 25°C/50%RH)
CO	0~1000ppm	1ppm	±5ppm or ±10%
CO2	400~5000ppm	1ppm	±40ppm or ±3%
HCHO	0~5000ug/m ³	01ug/m ³	10ug/m ³
Temperature/Humidity	<ul style="list-style-type: none"> • -4°F ~ 122°F (-20~50°C) • 0~99%RH 	N/A	<ul style="list-style-type: none"> • <±0.5°C @ (0~50°C) • <±2.0% @ 10~90%RH
Noise Disturbance	30~130dB	0.1dB	±0.5dB (ref: 94dB@1kHz)
Recommended Coverage Floor Area Per Detector (Indoor Applications)	<ul style="list-style-type: none"> • Air-conditioned open floor with ceiling height of:2.7~3.0m: 15~18m² • Mechanically ventilated Aminities with ceiling height of 2.4~2.7m, air lock doors and no full-height partitioning: 8~10m² 		

Ordering Information
INVID-VAPEDETECTOR: VAPE DETECTOR