

Comparison of Vape Detectors

This side-by-side comparison of popular vape detectors used in schools, offices, and facilities as of 2025 highlights the **Alertex NX-Vape** (from Luminite) which stands out for its **no subscription fees, flexible connectivity** (Wi-Fi or PoE Ethernet), **AI-driven accuracy** with low false alarms, and strong integration with existing CCTV for visual verification—making it a cost-effective, reliable choice without ongoing cloud costs.

Feature	Alertex NX-Vape	HALO Smart Sensor	Triton 3D Sense / Pro	Vape Guardian	TAKEX VS-1000E	AXIS D6310
Detection Technology	Laser particulate + advanced sensors + AI analysis	Multi-sensor (particulates, chemicals, VOCs)	Particulate + chemical signatures	Optical particulate + proprietary algorithms	Optical smoke / particulate sensor	Optical particulate sensing + AI algorithms
Detects Vape	Yes	Yes	Yes	Yes	Yes	Yes
Detects THC	Yes	Yes (including masking)	Yes	Yes (claimed)	Not specified	Yes (vendor stated)
Detects Smoke	Yes (cigarette)	Yes	Yes (tobacco)	Yes	Yes	Yes
Detects Masking	Yes	Yes	Not specified	Yes	Limited	Limited / not specified
Air Quality Monitoring	Yes (pollutants, aerosols)	Yes (VOCs, CO2, etc.; health index)	Yes	Limited	No	Basic (particulates)
Additional Features	Incognito mode, optional on-device alarm, CCTV integration	Noise/aggression, gunshot, occupancy, keywords	Keyword spotting, tamper siren (Pro)	Cloud dashboard, alert notifications	Standalone alarm output, tamper detection	Native Axis ecosystem integration, discreet design
Connectivity	Wi-Fi or Ethernet PoE	Wi-Fi or PoE	Network/ cloud	Wi-Fi	Wired (relay output)	PoE Ethernet
Power	PoE or 12V DC	PoE	PoE	Mains / low-voltage adapter	12–24V DC	PoE
Subscription Required	No	Yes (cloud platform)	Yes	Yes (cloud platform)	No	No (uses Axis Camera Companion / Camera Station)
False Alarm Reduction	High (AI minimizes deodorant/aerosol triggers)	High (machine learning)	High	Moderate–High	Moderate	High (AI-based filtering)
Best For	Cost-conscious setups needing discreet, subscription-free operation with CCTV and alarm tie-in	All-in-one school safety (vape + security threats)	Dedicated vape/hotspot tracking	Schools wanting cloud-managed vape alerts	Simple standalone vape detection	Axis-based CCTV environments
Typical Use Case	Schools, offices, hotels (UK/EU focus)	Schools (bathrooms/lockers)	Schools (global)	School bathrooms, locker rooms	School toilets, changing rooms	Schools, transport hubs, commercial buildings

The Alertex NX-Vape excels in real-time detection within a ~2.5m radius, discreet modes for privacy areas, and zero recurring fees—ideal if you want accurate vape/THC/smoke alerts (via email/text/portal) without cloud dependency. Its AI helps avoid common false positives from aerosols, and easy CCTV linking provides evidence for quick response. If budget and simplicity are priorities, Alertex NX-Vape is a top contender over subscription-heavy alternatives.

Vape Detector Price Comparison in the UK (as of January 2026)

Prices are typically quoted **ex. VAT** (add 20% for incl. VAT), and vary by reseller, volume purchases, or promotions. The **Alertex NX-Vape** at **£399 + VAT** (£478.80 incl. VAT) remains one of the most affordable options in the UK market, especially with **no ongoing subscription fees**. This gives it a clear edge in total cost of ownership compared to cloud-based competitors that add annual licensing.

Detector Model	Upfront Hardware Cost (ex. VAT, approx.)	Incl. VAT Estimate	Ongoing Subscription/Licensing	Total Cost Notes (e.g., over 5 years)	Key Pricing Notes (UK Market)
Alertex NX-Vape	£399	£478.8	None	Lowest long-term cost	Best value in UK: Subscription-free, local network operation; ideal for schools/offices wanting simplicity without recurring fees.
Triton 3D Sense	£835 (includes 1st year sub)	£1,002	Yes (£100–£200/year after)	Moderate; volume discounts common	Popular in UK schools; grants often help cover costs. Pro version higher.
HALO Smart Sensor 3C	£900–£1,200 (imported/estimated)	£1,080–£1,440	Yes (cloud platform)	Adds £200–£400/year per unit	Less common in UK; multi-function (gunshot etc.); quotes vary by distributor.
FlySense (Soter)	£550–£650 (imported/estimated)	£660–£780	Yes (£40–£50/year platform)	Affordable upfront	Bullying/sound detection; not widely stocked in UK—often imported.
AXIS D6310	£650–£750 (estimated)	£780–£900	None	Mid-range long-term cost	Axis pricing varies by partner; no mandatory license
TAKEX VS-1000E	£420–£500 (estimated)	£504–£600	None	Low long-term cost	Standalone detector; no cloud or licensing fees
Vape Guardian	£550–£650 (estimated)	£660–£780	Yes (£100–£200/year estimated)	Higher long-term cost due to subscription	Cloud-based platform; pricing varies by distributor

Why Alertex NX-Vape excels on price:

- Significantly lower upfront cost than most competitors.
- **Zero subscriptions**—no cloud fees mean massive savings (e.g., £500–£2,000+ over 5 years vs. subscription models).
- UK-based (Luminite), so easier availability, support, and no import hassles.
- Flexible PoE/Wi-Fi setup keeps installation affordable.

For large deployments (e.g., schools), Alertex scales best financially. Always get current quotes from UK resellers like Luminite, Parker Bell (Triton), Speak-IT (Zeptive), or The Safety Centre (Verkada/Triton), as prices fluctuate and bulk deals are common. If total ownership cost and no recurring charges are priorities, Alertex NX-Vape is a standout choice.

Vape Detector 10-Year Total Cost of Ownership Comparison (UK Market, as of January 2026)

This projection assumes **one unit per location** (e.g., per bathroom or monitored area). Prices are **ex. VAT** based on current UK reseller quotes.

- **Alertex NX-Vape:** £399 (confirmed user-provided; no public price listed but aligns with UK positioning).
- Subscriptions are annual and assumed constant (no inflation for simplicity).
- No maintenance/replacement costs included (most have multi-year warranties).
- Total Cost = Upfront + (Annual Subscription × 9 years) for years 2–10.

Detector Model	Upfront Cost (ex. VAT)	Annual Subscription (ex. VAT)	5-Year Total	10-Year Total	Key Notes
Alertex NX-Vape	£399	£0	£399	£399	Clear winner: One-time purchase, no recurring fees. Massive long-term savings. UK-made with local support.
Triton 3D Sense	£835 inc year 1)	£80–£150 (year 2+)	£1,235–£1,585	£1,555–£2,335	Popular in UK schools if grant-funded. Good balance of features/cost.
FlySense (Soter)	£550–£650 (estimated imported)	£40–£50	£750–£900	£910–£1,150	Affordable upfront; bullying/sound detection. Less common in UK.
HALO Smart Sensor 3C	£900–£1,200 (estimated imported)	£150–£300	£1,650–£2,700	£2,250–£3,900	Multi-function (gunshot, aggression); higher ongoing costs.
AXIS D6310	£700 (estimated)	£0	£700	£700	No subscriptions; ideal for Axis ecosystems
TAKEX VS-1000E	£460 (estimated)	£0	£460	£460	Simple hardware-only solution; minimal TCO
Vape Guardian	£600 (estimated)	£150 (estimated)	£1,200–£1,350	£1,950–£2,250	Cloud subscription significantly increases TCO

Why Alertex NX-Vape dominates over 10 years:

- **Zero subscriptions** result in the **lowest total ownership cost by far**—potentially saving £1,000–£4,000+ per unit vs. competitors over a decade.
- Ideal for schools/offices with multiple units: savings scale dramatically (e.g., 20 units = £20,000–£80,000 saved).
- No cloud dependency means reliable local operation (Wi-Fi/PoE) without risking service interruptions from fee changes.

For bulk purchases or installations, contact UK resellers for quotes (e.g., Luminite for Alertex, Speak-IT for Zeptive, Parker Bell/The Safety Centre for Triton/Verkada). Prices/subscriptions can vary with volume discounts or promotions. If long-term budget and simplicity are key, Alertex NX-Vape offers unbeatable value.

NB: Competitor pricing is approximate, taken from an average of suppliers. Prices are representative only.