

OSID-DE

5 REASONS FOR USING OSID-DE

1. When reliable, standard sensitivity smoke detection is required in large open areas

- OSID-DE uses coded Infra Red (IR) and Ultra Violet (UV) light beams to provide superior detection of all smoke types and deliver new levels of reliability in large open spaces.
- With maximum detection length up to 150m, OSID-DE is suitable for many applications such as shopping malls, atria, warehouses, concert halls and theatres, transport infrastructure, heritage applications and long corridors.

2. Where false alarm and fault resistance is important

- UV and IR make OSID-DE resistant to birds, insects, reflections from nearby surfaces and airborne dust and it can operate in all lighting conditions. OSID-DE's use of a multi-pixel CMOS imaging chip with a wide viewing angle means it has excellent building movement and vibration tolerance without the use of moving parts or motor drives. Optical filtering, high-speed image acquisition and intelligent software algorithms also enable OSID-DE to provide new levels of stability and sensitivity with greater resistance to variations in lighting.

3. When installation costs are important and available time to install is limited

- OSID-DE's wide field of view, area coverage and a simple Laser tool for alignment make it quick and easy to install, set up and commission. OSID-DE can even be ready to work before power is available on site. Once power is switched on OSID-DE will automatically commission itself in about 7 minutes.
- Imagers have an on-board log memory that can be analyzed by the powerful diagnostic software tool.



4. Where limited line-of-sight and free space presents a design and application challenge.

- OSID-DE can successfully be applied in areas where limited free space restricts the use of normal beam detectors such as through roof support latticework, above gantry cranes, ductwork. OSID-DE can transmit its UV and IR beam through a gap as small as 20 cm.

5. Where flexible detection coverage is needed

- Not every building is square! OSID-DE can support up to 7 Emitters with a single Imager making it easy to deploy in unusually shaped areas. Emitters can be placed at different heights to overcome stratification and provide earlier detection. This Multi-Emitter 3D approach also provides a 50% better detection coverage because beams converging to one point are more closely spaced in the area.