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## **Open-area Smoke Imaging Detection** **By Xtralis**

Dear Valued Customer,

NOTIFIER is pleased to announce the availability of Xtralis'™ latest product, Open-area Smoke Imaging Detection (OSID). Designed for open spaces where fire detection presents unique challenges and where very early warning is not always the priority, OSID's performance is based on the patented use of digital imaging, dual-frequency beams and smart algorithms delivering:

- Fast, reliable standard sensitivity detection with absolute calibration
- High tolerance to vibration and structural movement
- High resistance to dust, steam, fog, condensation and other obstructions
- Full immunity to reflections
- Simple installation, commissioning and maintenance to dramatically lower costs
- Consistent performance in any ambient lighting or total darkness

In its simplest configuration, OSID uses one imager, a camera-like device with a wide field of view, and a wired or battery-powered emitter roughly aligned on the opposite wall within the protected area. The emitter sends both infrared and ultraviolet coded light signals to the imager. If the light reception is altered due to the presence of genuine smoke particles, the imager will go into alarm. The use of dual light frequencies in an open-path device enables OSID to discriminate between smoke and other objects, including insects, birds, steam, condensation and dust, thus drastically reducing false alarms.

OSID installation and commissioning is simple because exact alignment between the imager and emitter is not required. An imager can locate and lock in an emitter that is only roughly aligned thanks to the imager's wide field of view. And because OSID uses a wide-angle imaging sensor, its sophisticated algorithms can compensate for vibrations and building movement.

**Ordering Information:**

**FG-02-029** OSI-10 Imager - 7° coverage, 24VDC

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**FG-02-030** OSI-45 Imager - 38° coverage, 24VDC

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**FG-02-031** OSI-90 Imager - 80° coverage, 24VDC

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**FG-02-032** OSE-SP Emitter – Standard power, battery version

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**FG-02-033** OSE-SPW Emitter – Standard power, wired at 24VDC

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**FG-02-034** OSE-HPW Emitter – High power, wired at 24VDC

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**FG-01-078** OSID installation kit. Includes: Laser alignment tool, test filter, PC cable, cleaning cloth, manual.

**NOTE:- This product is currently awaiting CSIRO ActivFire listing.**

Contact your systems consultant for more information.

Sincerely,



David Jemmeson  
VESDA Product Manager