

SECOND SIGHT® MS

STANDOFF REAL TIME GAS DETECTOR



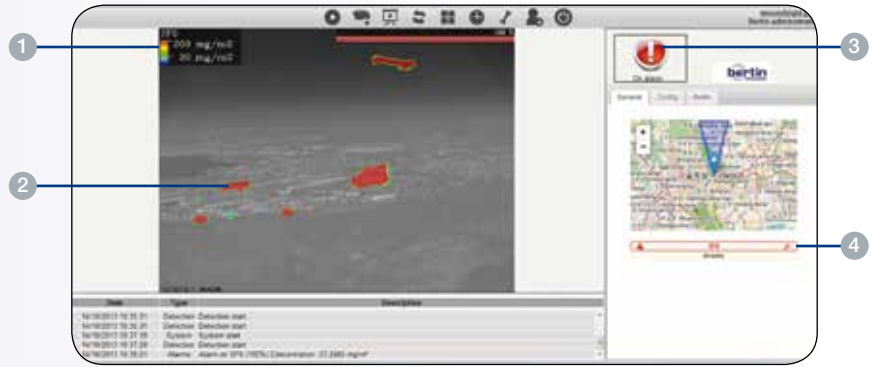
**SECOND
SIGHT**

- ▶ The widest monitored field of view
- ▶ Early warning by real-time detection in 2 sec
- ▶ CWA, TIC & VOC clouds visualization
- ▶ Detection up to 5 km

Quick deployment and setting



The only standoff gas detector for real time surveillance and with source localization



1 - Identification
2 - Gas cloud

3 - Alarm
4 - Gas list

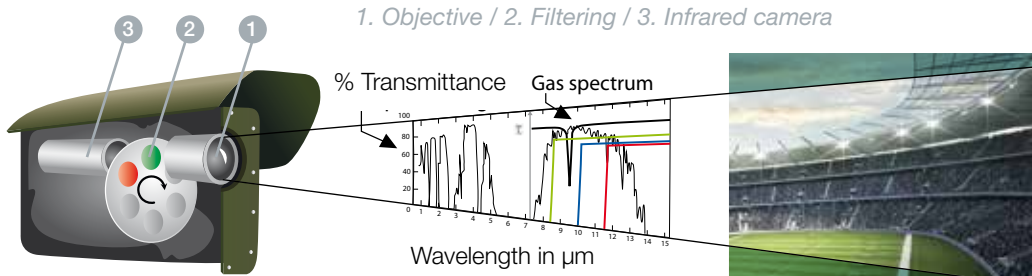
Second Sight® MS

Second Sight® MS is the perfect solution for critical area surveillance and protection against chemical threats (Chemical Warfare Agent, Toxic Industrial Compounds). With night and day surveillance capability, Second Sight® MS detects, identifies and visualizes a cloud of dangerous gas in real time at a distance up to 5km.

Main applications :

- Early warning in case of chemical threat on battle field
- First responders vehicle deployment for public events
- Enhanced surveillance of industrial sites

Uncooled multispectral infrared camera



Gas list

- Blister Agents: "Mustard gas" Yperite (HD), Lewisite
- Nerve Agents: Tabun (GA), Sarin (GB), GD, VX
- Toxic Industrial Chemicals: Ammonia, Carbonyl chloride, HCN (hydrogen cyanide), etc.

Technical features

Designation	Second-Sight® MS
Technology	Infrared spectral imaging
Cat.No.	003075-003
Detection range	From 2 m up to 5 km
Gas database	> 50
Time to detect	< 2 seconds
Time to alarm	< 8 seconds
Field of View (FOV)	2 objectives of 30° and 60°
Field Surface scanning rate	190 square degrees per second for 30°x 15° FOV
Scan mode vertical angle	360° x 15° in less than 3 minutes
Ruggedized	Mil Std 810-G
Dimensions "head camera and pan tilt"	35 x 26 x 50 cm // 13" x 11" x 20"
Dimensions processing unit	26 x 20 x 15 cm // 11" x 8" x 6"
Weight	Head camera + processing unit : 10.2kg //22 lb (+ pantilt 6.5kg //14lb; + tripod 6.6kg //14lb)
Temperature	Operation : -20°C to +50°C (-4°F to +126°F) Storage : -20°C to +70°C (-4°F to +158°F)
Autonomy	3 hours (optional battery pack)

Wide area surveillance



www.bertin-technologies.com
www.secondsight-gasdetection.com
secondsight@bertin.fr

Bertin Technologies

USA Offices
Washington DC
155 Gibbs Street
20817 Rockville, MD, USA
Phone: +1 240 428 1024

Headquarters
Paris area, France
Parc d'Activités du Pas du Lac
10 bis, avenue Ampère
78180 Montigny-le-Bretonneux
Phone: +33 1 39 30 61 60

Asia Offices
Singapour
2 Kallang Ave
#07-23/24 CT Hub
Singapore 339407
Phone: +65 6444 5256