



# SECOND SIGHT

Second Sight® MS



## Standoff chemical gas cloud detection

- The widest monitored field of view
- Early warning by real time detection
- Gas X, CWA and TIC cloud visualization
- Detection up to 5 km



# SECOND SIGHT<sup>®</sup> MS

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

Second Sight<sup>®</sup> MS is the perfect solution for critical area surveillance and protection against chemical threats (Chemical Warfare Agents, Toxic Industrial Compounds).

With night and day surveillance capability, Second Sight<sup>®</sup> MS detects, identifies and visualizes clouds of dangerous gas in real time, up to 5km away.

Technology developed within the framework of a contract with the French defense procurement agency



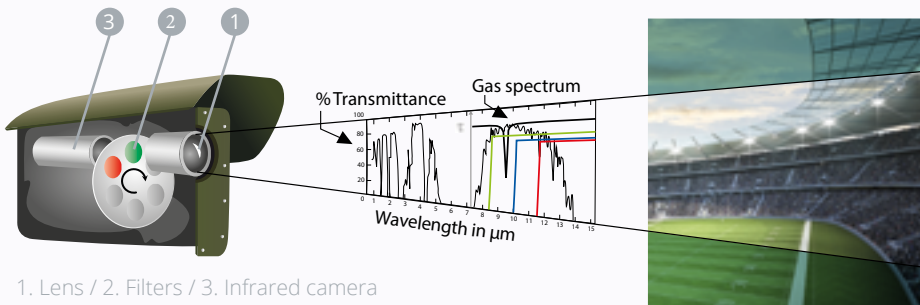
## Main applications

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

- 1 - Identification
- 2 - Gas cloud
- 3 - Alarm
- 4 - Gas list



## Uncooled multispectral infrared camera

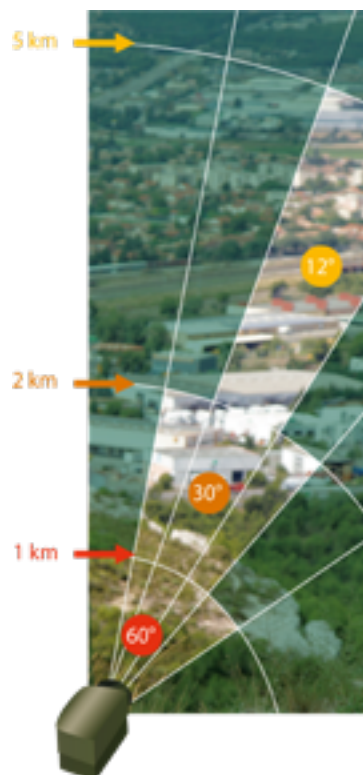


1. Lens / 2. Filters / 3. Infrared camera

## Detected Gas list

- Blood agents
- Blister agents
- Nerve agents
- Pulmonary / Choking agents
- Toxic Industrial Chemicals
- Gas X: Detect any new or mixed gas cloud modifying the 8-12μm infrared spectrum

## Wide area surveillance



## CBRN Range

Discover other products of Bertin Instruments



**SaphyRAD<sup>®</sup> MS**  
Multiprobe survey meter for field operations



**Coriolis<sup>®</sup> COMPACT**  
Portable air sampler for biological agents detection



## Technical features

**TECHNOLOGY**  
Infrared spectral imaging

**DETECTION RANGE**  
up to 5 km

**TIME TO ALARM**  
< 10 seconds

**FIELD OF VIEW (FOV)**  
3 lens of 12°, 30° and 60°

**360° SCAN MODE**  
< 3 minutes

**RUGGEDIZED**  
Mil Std 810-G

**DIMENSIONS HEAD CAMERA & 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

**TEMPERATURE**  
Operation: -20°C to +45°C (-4°F to +113°F)  
Storage: -20°C to +70°C (-4°F to +158°F)