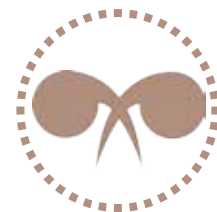


# SECOND SIGHT



## 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 with source localization

Second Sight<sup>®</sup> 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<sup>®</sup> MS detects, identifies and visualizes a cloud of dangerous gas in real time at a distance up to 5km.

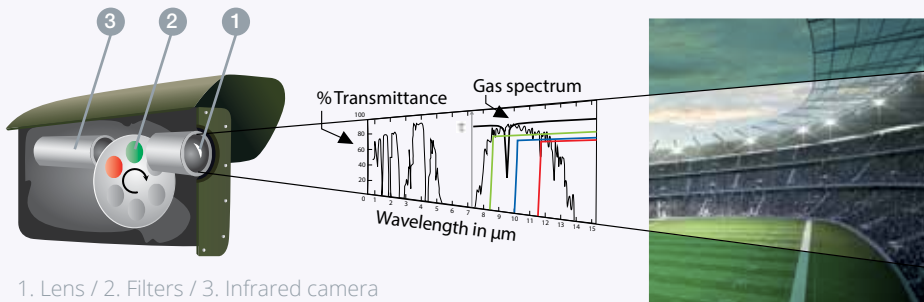
## Main applications

- Early warning in case of chemical threat on 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

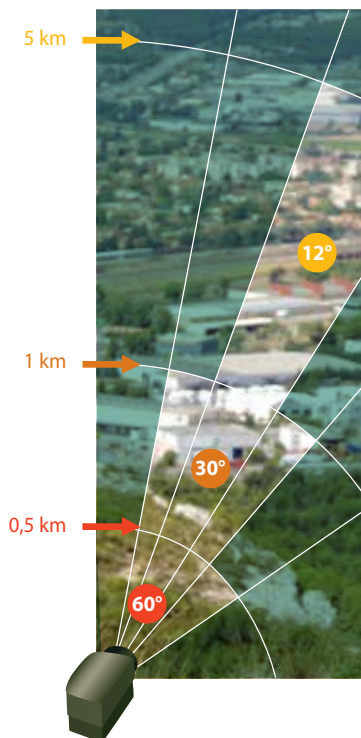


1. Lens / 2. Filters / 3. Infrared camera

## Detected Gas list

- Gas X: Detect any new or mixed gas cloud modifying the 8-12μm infrared spectrum
- Blister Agents: "Mustard gas" Yperite (HD), Lewisite
- Nerve Agents: Tabun (GA), Sarin (GB), Soman (GD), VX
- Toxic Industrial Chemicals: Ammonia, Carbonyl chloride, HCN (hydrogen cyanide)...

## Wide area surveillance



## CBRN Range

Discover the other products of Bertin Instruments



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



**GammaTRACER Spider**  
Quick deployment probe for radiation monitoring



## 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)

### LI-ION BATTERY AUTONOMY

5,5 hours at 20°C (68°F)