

Sensor Management in Genetec Security Center

The NMS-GSC gateway provides complete, bi-directional integration between Senstar perimeter intrusion detection systems and Genetec™ Security Center (GSC) software.

Senstar's Network Manager software provides a common interface for monitoring and controlling Senstar sensors from VMS, SMS, and PSIM systems.

The Network Manager Service to Genetec Security Center Gateway (NMS-GSC Gateway) integrates the Network Manager service (NMS) with a Genetec Directory service or pair of redundant Directory servers.

OPERATOR FEATURES

From Security Center, operators can:

- Graphically view sensor status on a map
- View video associated with alarms
- Acknowledge alarms
- Arm/disarm zones
- Activate sensor output points (relays)
- Monitor equipment fault alarms

Features and Benefits

- Display zone alarms and equipment status information from Senstar sensors with Security Center
- Supported sensor events include:
 - Sensor/zone alarms (including precise location for ranging sensors)
 - Enclosure tamper events
 - Diagnostic and connectivity faults
- Context field in Alarm Monitoring screen displays current status of the alarm along with down-cable meter number for ranging sensors, and GPS coordinates for FiberPatrol
- All changes in sensor status are monitored and available as input conditions for event-to-action programming
- Arm/Disarm alarm reporting per sensor zone through on-screen control or event-to-action
- Control sensor output relays by event-to-action programming or by on-screen controls
- Custom icon for zone alarm and status reporting
- Custom icons for output (relay) control and input point status
- Support for redundant Network Managers and Genetec Directory servers
- Support for current Senstar perimeter intrusion detection sensors, including FlexZone®, FiberPatrol®, Senstar LM100, OmniTrax®, UltraWave™, UltraLink™ I/O, XField® and Senstar MultiSensor
- MultiSensor video is supported by a direct connection from the Senstar RTSP Server to Security Center
- Alarm Logic Engine support

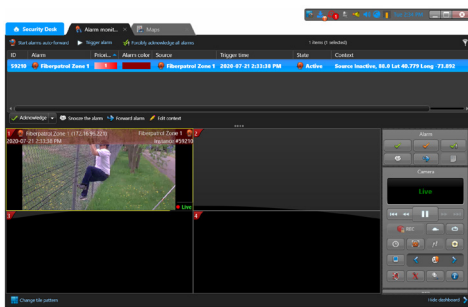
DISPLAY ZONE ALARMS AND SENSOR STATUS

For display of zone alarm status, the NMS-GSC Gateway includes a custom NMS Zone entity. The NMS Zone entity includes custom icons to display detailed status of the alarm zone on the Security Center map and controls to acknowledge and arm/disarm the zone alarm. The zone alarm status conditions that can be displayed are: OK, Alarm, Pre-Alarm, Trouble, Supervision, and Disarmed. For sensors that report a precise intrusion location, the last reported down-cable meter number will be displayed in the Context field as will the GPS coordinates for FiberPatrol systems..

For display of sensor status, the NMS-GSC Gateway includes a custom NMS Node entity. The NMS Node entity includes custom icons to display the detailed status of a sensor (node) on the Security Center map and controls to acknowledge sensor faults. The sensor status conditions that can be displayed are: OK, Comm Fault, Comm Fail, Enclosure Tamper, Warning diagnostic, and Critical diagnostic.

EVENT-TO-ACTION TRIGGERS

Alarm entities can also be used as trigger events for event-to-action sequences (camera call-up, activation of a siren, turning on lighting, etc). To support event-to-action programming for all sensor conditions monitored by the Network Manager, the NMS-GSC Gateway adds two custom entities to Security Center: NMS Input and NMS Output.



Senstar alarm in Alarm Monitoring screen

Dry-contact inputs on sensors can be linked to NMS Input entities and used as triggers for event-to-action programming. In this way, non-alarm generation events can still trigger event-to-action sequences. Another example use is a sensor pre-alarm condition used to initiate the move of a PTZ camera before an alarm actual occurs.

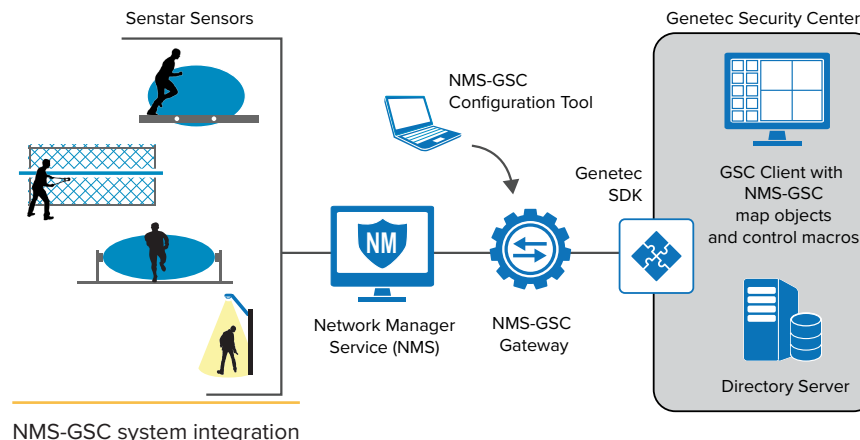
Output relays on sensors can be linked to NMS Output entities and controlled by event-to-action macro programming or on-screen controls. Any Security Center event can be used control a Network Manager output point. The NMS Output entity also reports the status of an output point, so that Security Center can detect when another system has commanded a state change.

SYSTEM INTEGRATION

The Network Manager, NMS-GSC Gateway, and Genetec Directory server may be installed on the same server or on separate networked servers.

- NMS-GSC Gateway communicates with the Directory server via SDK and includes files which are installed on each Security Center client
- The NMS-GSC Gateway Configuration Tool configures the gateway

A Gateway can connect to up to 50 Network Managers or 50 redundant pairs of Network Managers.



NMS-GSC system integration

ORDERING INFORMATION

GSC-NMS Gateway	00SW0261-XXY
Genetec SDK connection license (from Genetec)	GSC-1SDK-SENSTAR-NMS Three (3) required per standard Gateway, five (5) required per redundant pair of Gateways For Security Center 5.10 or earlier, Plan Manager Standard license required to display alarms on maps
Senstar Network Manager	00FG0220-XXY

SOFTWARE COMPATIBILITY

Operating System	Microsoft Windows 10 Pro, Windows 11 Pro Windows Server 2016, 2019, 2022
Senstar Network Manager	2.60 or newer
Genetec Security Center	5.12, 5.13 (contact Senstar regarding support for older versions)

DOCUMENTATION

The NMS-GSC Gateway includes comprehensive installation and configuration documentation. Contact your Senstar representative for information.