

The 6SS iMonitor® is a comprehensive monitoring solution developed by 6SS that works in tandem with the Milestone XProtect Smart Client. 6SS iMonitor® streamlines the monitoring process for multiple sites and helps administrators keep track of their status, servers, camera operation, and hardware components. Utilizing the SNMP protocol, the 6SS iMonitor® collects SNMP traps from the SNMP-enabled components and forwards them to the Milestone XProtect system where they are processed, and alarms are generated as defined. The 6SS iMonitor® is fully compatible with the Milestone XProtect Plus family, enabling administrators to monitor multiple XProtect sites simultaneously.

Data Flow

1. The 6SS iMonitor serves as a centralized hub connecting to various components, including SQL, Management, and more, for comprehensive data collection and system monitoring. It efficiently gathers information about the status of each component, alongside retrieving alarms from the Event Server and diagnosing the causes of camera failures, among other tasks. This integrated approach ensures robust surveillance operations and proactive management of potential issues, fostering enhanced security and operational efficiency.

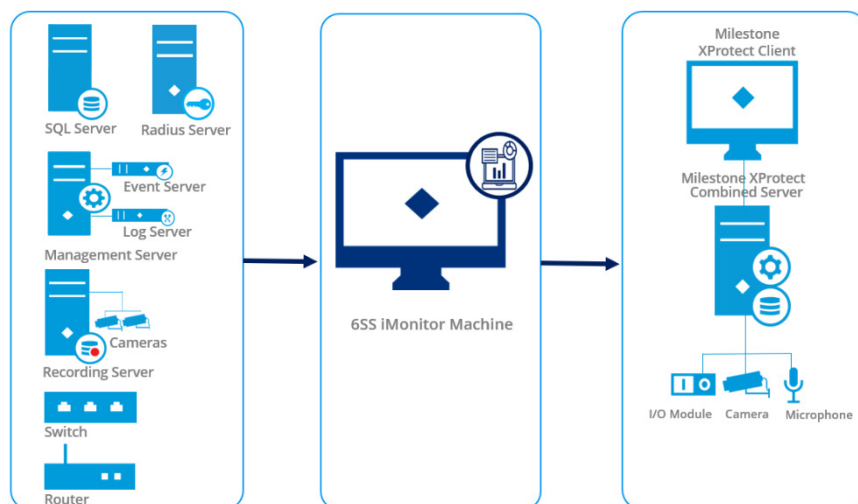


Figure 1 System Architecture

Functionality

The 6SS iMonitor® continuously monitors all installed Milestone services and configured devices, including their operating status. It uses SNMP traps received from these devices to trigger alarms via the XProtect Smart Client, alerting the user to take the necessary actions. This ensures that the administrators are always aware of the performance and health of their system.

Main Benefits

- Cost-effective solution for monitoring multiple sites and components.
- The tool is simple to configure and maintain, reducing the burden on IT personnel.
- Monitors all aspects of the system's health, ensuring that administrators are always informed about its performance.
- The tool helps increase network reliability and availability by quickly detecting and resolving any issues that may arise.
- Centralized alerting and reporting, providing a clear and concise overview of the system's status.
- By automating many monitoring tasks, the 6SS iMonitor® reduces the workload on IT personnel.
- The 6SS iMonitor® can be customized to meet specific user requirements if necessary.



Key Features

Monitoring

6SS iMonitor® is designed to monitor the following components and systems:

1. **Server hardware:** The 6SS iMonitor® monitors the health of the server hardware and storage devices to ensure optimal performance.
2. **Site status:** The tool keeps track of each site's disk usage, and the status of the Milestone configured services.
3. **Switch ports:** The 6SS iMonitor® monitors switch ports and generates automated alarms in the case of any devices being plugged in or unplugged helping to prevent network downtime and alerts of unauthorized access.
4. **Cameras Status:** The 6SS iMonitor® efficiently tracks camera status, presenting real-time updates including reasons for malfunctions and offline timestamps.
5. **Generate alarms** when devices, the management server, or the recording server go offline.

This comprehensive monitoring approach ensures that administrators have a complete overview of their system and are alerted to any potential issues in a timely manner, helping to keep their system running smoothly.

Reporting

The 6SS iMonitor® provides a range of reports to help administrators understand the performance and health of their monitored system, including:

1. **Customer-ready reports:** The tool generates reports of each site's information, including uptime and downtime hours.
2. **Recording server reports:** Reports of the recording servers include information such as disk size, used space, and free space.
3. **Device reports:** Reports on individual devices include details such as name, device type, address, MAC address, status, login ID, and live and recorded streams.
4. **Overview navigation reports:** 6SS iMonitor® provides an overview of all monitored sites, configured recording servers, and installed hardware (cameras, speakers, microphones, metadata) with zoom in and out capability.
5. **Alarm reports:** The tool generates a report of all alarms generated from all the monitored sites.
6. **Customizable reports:** Each report is fully customizable to meet specific user requirements.
7. **Filterable and exportable reports:** Reports can be filtered and generated in Excel/PDF format for ease of sharing and analysis.

This comprehensive range of reports helps administrators to better understand the performance and health of their monitored system and make informed decisions about its operation.

System Requirements

- Windows OS 8.1 or above.
- Windows Server 2016 or above.
- Microsoft .NET framework 4.7.2 or newer (for .NET components usage).
- Microsoft DirectX 9.0 or later
- Microsoft SQL Server Express, Standard or Enterprise Editions
- Milestone XProtect Corporate, XProtect Expert, Professional+, Express+, or Essential+
- 6SS iMonitor® application installed on the administrator Workstation.

Business Value

Enterprises today are facing huge losses in precious employee time due to performing system health check for each site individually. By monitoring all Milestone Sites in a single and easy to use interface, administrators will be able to quickly report errors and warnings across multiple sites and generate all the needed reports from a central location without the need to login to each site separately. This will lead to faster response time, reduced human errors, and centralized reporting which will assure continuous system uptime, increased security, and decreased IT labor cost.