nuSIM Data Sheet

DYNAMIC INTERACTIVE 3D VISUALIZATION

nuSIM is a Plug In solution allowing traditional PSIM solutions to integrate dynamic 3D visualization of Physical Security Environments as never before. Not only we are offering solution for visualizing CCTV live video stream from existing infrastructure but we include it as part of dynamic 3D model of the complete location so now an overall view of the whole complex (Hospitality, Factory, Museum, etc.) can be shown as part of the regular activities simplifying control center operator activities as well as planning and engineering.

Some key Characteristics of our standard (Plug In) solution include:

1) **Open Technology**: nuSIM is based on DirectX and .NET Framework technologies, running on Windows OS Desktop environment (Windows 7, 8, 8.1, 10, 2012, 2012 R2 are supported).

2) **Faster Solution**: thanks to our patented technology based on GPU, nuSIM runs faster and smoothly since we do not compete with other processes / tools running on PSIM server and / or client.

3) **Advanced Mapping:** Our dynamic 3D Model allows to reference objects inside it so any position is referenceable by specific coordinates.

4) **Multi-Vendor**: nuSIM has already been tested and integrated with major PSIM vendors such as CNL, Genetec and some others to come as well as CCTV vendors such as Sony, Bosch, Axis and many others.

5) **Supported Input File Types**: we support existing customer information files such as: dwg, dxf, 3dmax and/or Screech files and use them to build dynamic 3D Model of protected site.

6) **Legacy Technology Support**: as long as end technology / vendor is supported by the PSIM vendor, it can be visualized on our 3D Plug In as part of solution.

7) **Full Integration**: nuSIM runs on the same infrastructure PSIM does, so no need for additional Hardware / Software in order to have it up and running. Besides, running REST API we interact with any vendor.

Dynamic Interactive 3D Visualization

Main Features:

1) **Zoom, Pan & Tilt**: If end CCTV camera supports this operating mode then the proper control inside nuSIM will be able to replicate allowing for remote cameras manipulation.

2) **Color, Black & White**: nuSIM is agnostic to camera capability so either Balck & White as well as Color cameras are supported bringing the most out existing devices.

3) **Design Phase**: Having dynamic 3D model of the space to be protected, cameras can be located before physical installation.

4) **Video Recording**: for this to work, nuSIM must have to be integrated with PSIM solution and / or Video Management solution.

5) **Click to View**: streaming real time video is as easy as clicking into the camera list menu or directly into camera icon inside 3D model.

Supported Cameras: some of the supported cameras already integrated are as follows:

- Bosch MIC 7000 Star light series
- Bosch MIC 550
- Bosch Auto Dome 300 series
- Bosch Auto Dome 500 series
- Bosch Flexi Dome NDN 921
- Bosch A/VG4 MPEG4
- Bosch Dinion IP, 495/498
- Sony IP cameras with RTSP support
- Any IP cameras with AXIS support
- Any IP cameras with JPEG/MJPEG streaming support