

nuSIM™ Use Cases

DYNAMIC & INTERACTIVE 3D-VISUALIZATION

nuSIM™ is a Plug In solution allowing traditional Physical Security Information Management (PSIM) solutions to uniquely integrate dynamic 3D-visualization of physical security Environments. nuSIM™ enables visualizing CCTV live video stream from existing infrastructure & also includes it as part of dynamic 3D model of the complete location, resulting in an overall view of the whole complex (Hospitality, Factory, Museum...) shown as part of the regular activities,™ simplifying control center operator activities as well as planning and engineering.

Following are most common nuSIM™ use cases in order to bring greater value to end user of a PSIM solution:

- 1) **Smart 3D Object:** nuSIM™ inside PSIM tools can help to bind specific name / location inside 3D model into some meaningful specific name that helps end user to better understand new solution.
- 2) **Internal Unique Location:** allow detailed position by means of xyz coordinates which means we provide very high accuracy connecting physical device to real physical location on 3D object. Real live elevation of any sensor is part of information provided.
- 3) **Visual Awareness:** nuSIM™'s IPS (Internal Position System) has ability to accurately locate Visual Awareness inside 3D object so any alarm from PSIM will become a Visual Event inside it. nuSIM™ allows super-imposing almost any video source inside of 3D model without affecting PSIM application performance.
- 4) **Blind Spot:** thanks to coverage simulation, it is possible to locate blind spots even if cameras are not still sending video information. When selecting an alarm or tracking a suspect in the map, automatically identify and stream video cameras that have an optimal field of view of the alarm or suspect.
- 5) **Multi-View:** nuSIM enables PSIM solutions to simultaneously reproduce video input form many cameras on a single window instead of spread across many fixed monitors which tend to be hard to navigate. Our patented Visualization based on GPU allows to show big amount of information without consuming excessive amount of resources.
- 6) **2D & 3D Maps:** configure realistic 3D and 2D indoor and outdoor maps of your buildings and areas of interest. Maps display your alarms, incidents and devices, including critical details like each camera's accurate field of view. You can review real-time information to understand the movement of suspects and resources within such area.
- 7) **Speed & Scalability.** Thanks to our patented technology, our solution grants very high speed for visualizing already constructed 3D Models as well as incredible scalability to support even thousands of objects inside dynamic interactive 3D model.
- 8) **Ease of Configuration.** We have developed automated file conversion for AutoCAD 2D type of drawings so almost no need for manual human process which speeds up the whole process.





Streaming Video

