

IntelliSURF™ Sentinel

Immersive and advanced 3D Physical Security Management Software for your complex security needs

Operational Challenges

With rapid urbanisation and growing technology adoption, business owners face increasingly complex security challenges. Conventional security operation is usually labour intensive, and runs multiple systems that are proprietary and disparate. An Ops Room is typically installed with a CCTV video wall manned by security officers. This poses a few challenges:

Short Concentration

- The optimal concentration span before visual fatigue starts to set is 20 to 30 minutes¹.



Low Visual Focus

- The optimal number of CCTV feeds an individual can view at a low-task complexity is 4-6^{2,3}.







Missed Screen Activities

- The amount of screen activities missed after 12 and 22 minutes of continuous video monitoring are 45% and 95%⁴ respectively.






Key Product Highlights

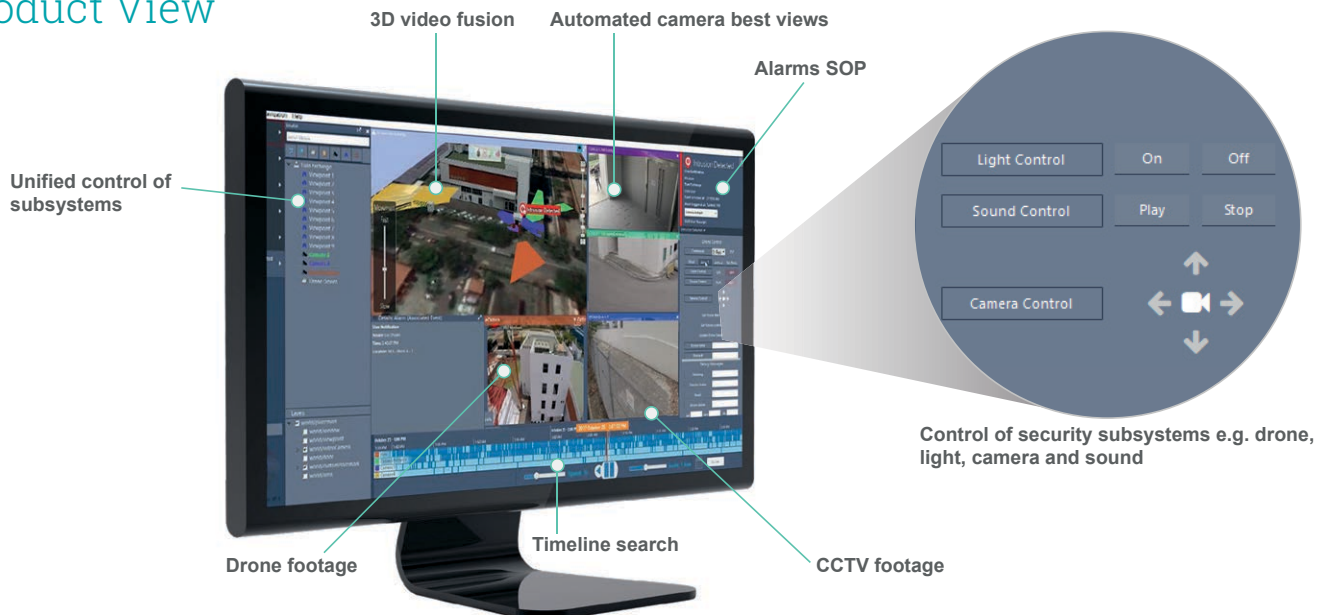
-  Patented 3D Video Fusion Technology, with real-time video feeds projected accurately on a 3D model
-  Automated Camera Best View, with the most optimal camera viewpoints calculated automatically through a patented algorithm
-  Unified Control of Security Devices, with a wide range of integrable security subsystems and a common user interface to control the devices
-  Integration with Autonomous Drones, with seamless integration of control features within workflows

Benefits

IntelliSURF™ Sentinel revamps the way your security operations is conducted:

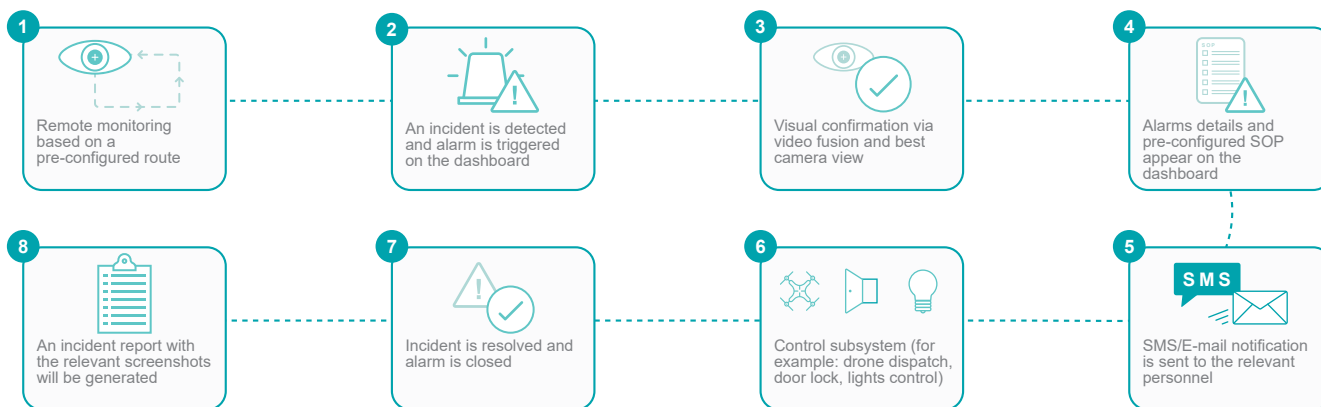
-  **Heightened Situation Awareness**
 - Sentinel's unique 3D video fusion technology provides real-time visual confirmation of the security situation
 - Easy conduct of virtual guard tour with 3D modelling
-  **Enhanced Readiness and Responsiveness**
 - Enables optimal mental retention & response through automated best camera views
-  **Increased Effectiveness and Productivity**
 - Eliminates manual steps and overload of irrelevant information
 - Unified control of security subsystems through a standardised interface

Product View



Solution Overview

of an incident resolution as performed by a Security Manager using IntelliSURF™ Sentinel:



Third-party systems integration

IntelliSURF™ Sentinel is capable of integrating subsystems such as:



References

- [1] "How long can CCTV operators concentrate for?" - <http://www.securitysa.com/8289a>
- [2] "CCTV – Human Factor Challenges" - <http://proceedings.dtu.dk/fedora/repository/dtu:2243/OBJ/x037.157-162.pdf>
- [3] "How many monitors should a CCTV operator view?" in Hi-Tech Security Solutions Magazine - <http://www.securitysa.com/article.aspx?pkarticleid=3313>
- [4] "Automatic Surveillance and CCTV Operator Workload" - <http://www.cs.nott.ac.uk/~pszcmg/G64IDS/isd-dissertations-08/nxd07m.pdf>

