

sMart Data Warehouse 4.0 Highlights

New functionalities of the latest sMart Data Warehouse release

SMART FOR SECURITY

Dashboards, data analytics, and reports for security applications

sMart Data Warehouse 4.0 introduces a complete new set of features to provide security staff, managers, and Chief Security Officers (CSOs) with configurable and relevant information about their security systems. Once a direct connection from sMart to a NETAVIS Observer 4.8 system (or an automatic event upload from such a system) is established, sMart is able to show how often cameras lost their network connection, which users most frequently accessed archive recordings, which cameras had the highest amount of perimeter intrusion alerts, etc. All of this information can be accessed via dashboards, data analytics, and automatic or manual reports and provides users with new insights about what is going on in their security system.

WIRELESS SENSOR SUPPORT

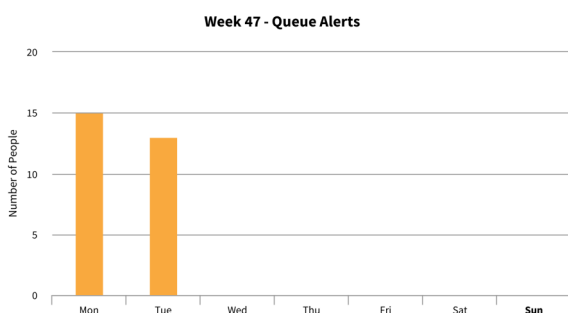
Use wireless sensors to obtain additional information

sMart Data Warehouse 4.0 adds support for Bluetooth and WLAN sensors that use data from mobile devices in their vicinity to provide frequency, dwell time, and returning customer information. Such wireless sensors can be particularly useful for understanding what is happening outside a specific location or when other sensors are not suitable. For example, they can be used to provide metrics, such as the number of people walking by a point of interest, turn-in rates in stores or malls, and outdoor frequencies in front of a store.

ZONE MONITORING AND QUEUE LENGTH DETECTION ALERTS

See at a glance how often and when alerts occur

sMart Data Warehouse 4.0 now supports alerts from zone monitoring and queue length detection applications using NETAVIS Observer 4.8. This allows users to quickly understand how often and when alerts based on zone occupancy or dwell time occur and to compare the number of alerts across different times or between different checkout counters or store locations.



NEW NAVIGATION OPTIONS & OPENING HOURS IMPROVEMENTS

Navigate from dashboards to maps and use opening hours across the entire sMart system.

In order to facilitate the navigation in dashboards and data analytics it is now possible to create links between dashboards and maps. For example, users can click on a map's spot representing a store and then see a dashboard with detailed information about it. Also, previously opening hours were only shown in the daily view, whereas now they are displayed across the entire sMart system, including on maps. This includes all dashboard widgets, data analytics, and reports and improves the consistency of the information presented to users. Additionally, it is now possible to configure weekly reports which contain data on an hourly level or see this hourly data in data analytics of full weeks.



SYSTEM OPERATIONS

Configure different compensation parameters per weekday and other improvements

Compensation Multiplier							
Shopping Center A	Name Shopping Center A						
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Shopping Center B	1,2	1,2	1,2	1,2	1,3	1,6	1,0

To be able to address the variations in customer frequencies on different weekdays sMart 4.0 offers the possibility to configure different compensation parameters per weekday. The introduction of a user- and report-dependent logo enhances customization options on multi-customer systems. For system administrators the possibility to configure the display name of source servers makes it easier to understand which server a sensor is connected to. Similarly, sMart 4.0 now also supports the heatmap export format v2 introduced in NETAVIS Observer 4.8.

DATA SOURCES

Currently integrated data sources of sMart Data Warehouse

NETAVIS iCAT Video Analytics	Publicount
NETAVIS iCAT NPR CarReader	Telsec
NETAVIS VMS Events	Vivotek 3D (SC8131)
Frequency Upload via CSV & JSON	Xovis 3D Sensoren
Hella 3D (APS-90, APS-180)	Novatec
Libelium Meshlium (Bluetooth, Infrared, WLAN)	