

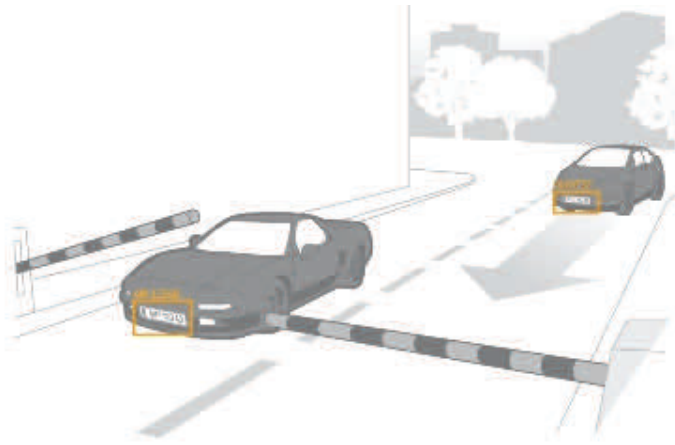
NETAVIS Observer 4.6 Highlights

New functionalities in the latest software version

iCAT NUMBER PLATE RECOGNITION

Integrated Number Plate Recognition with simple, yet powerful NPR list management

The new video analytics module iCAT Number Plate Recognition provides NPR that is tightly integrated with the rest of NETAVIS Observer. It can be configured as easily as other iCAT analytics modules and supports plates from over 60 countries, including all of Europe, the Arabian Peninsula (also with Arabic characters), and others.



Additionally, the simple yet powerful NPR list management enables a broad set of applications including search and filter options for NPR related video sequences and statistics data. Combined with the new rule administration and graphical I/O device administration, setting up systems for use in vehicle entry, parking, and free flow scenarios is now simpler than ever before.

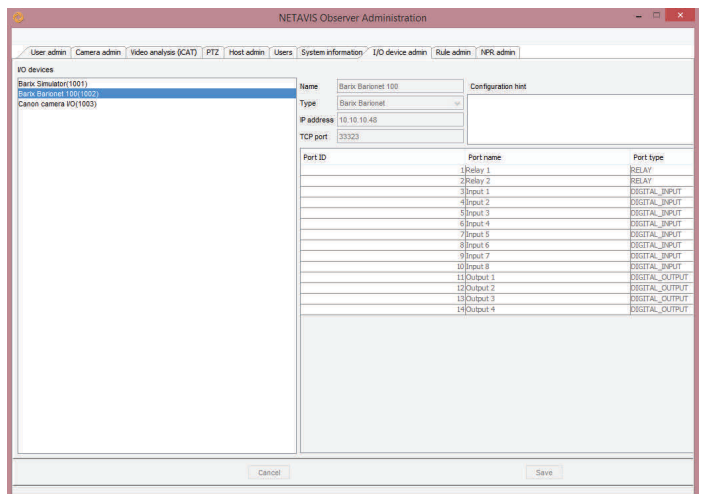
RULE ADMINISTRATION

Combining triggers with actions for solving many video surveillance and video analytics scenarios

The new rule administration enables the simple configuration of a range of actions which are triggered by specific events. For example the permanent recording of cameras can be started once an alarm system is activated or a barrier can be opened upon the detection of certain number plates. The rule administration is an extensible system which will continue to cover more scenarios in the future.

GRAPHICAL I/O DEVICE ADMINISTRATION

Configuring I/O devices within the Observer user interface

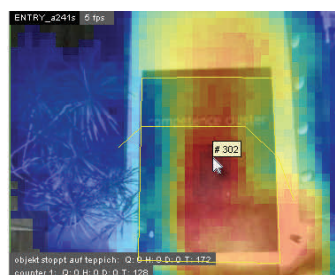


Adding I/O contacts from a broad set of supported cameras and I/O devices has been significantly simplified and improved with a new graphical I/O device configuration. With most devices adding them to a NETAVIS Observer system is now as easy as selecting the model and entering its IP address, port, user, and password.

iCAT HEAT MAP ENHANCEMENTS

Automatic data reset and normalization across all cameras

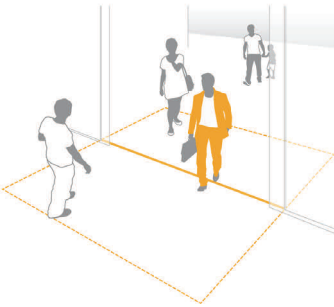
NETAVIS iCAT generates heat maps for four different types of analytics data: amount of moving objects, speed of moving objects, amount of stopping objects and the stopping time.



To facilitate and improve them, an option for manual reset as well as automatically resetting heat map data on a daily, weekly or monthly basis was added. Combines with an option for normalizing heat maps, comparisons across different cameras and even servers are now facilitated. Moreover, it is now easier to follow heat map trends over time in the Archive Player.

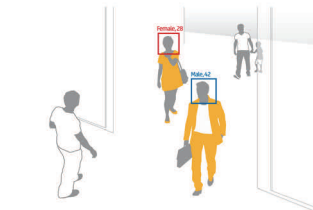
iCAT VIDEO ANALYTICS ENHANCEMENTS

Various improved algorithms and extended configuration options



The iCAT Video Analytics self-learning component for overhead counting was improved for large groups of people. This provides a higher accuracy of people counting results in high density environments. New iCAT object tracking region options for better tracking results in selected scenarios of perimeter

security and people counting are available now. Additionally, it is easier to display iCAT information in the Online Monitor and Archive Player for single view ports and complete views.



The module iCAT Traffic was adapted and is suitable for tunnel scenarios since Observer 4.6. Also the module iCAT Face Detection now performs with enhanced tracking algorithms for better results in age group and gender estimations.

USER MANAGEMENT

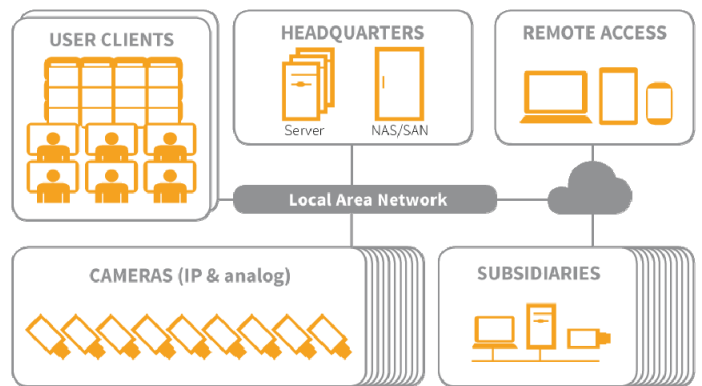
Enhanced user management options for administrators

All of the aforementioned new functionalities can of course be enabled and disabled for users and user groups. Additionally a number of previously available features such as client configuration options or log file download can now be controlled more granularly as well. Overall more than a dozen new privileges were added to the user management.

LARGE INSTALLATIONS

Optimizations for projects with multiple sites and large amounts of cameras

Observer 4.6 comes with optimized performance and stability for distributed systems with over hundred camera servers and realizes a reduced client startup time for such large installations.



Client performance as well as the handling of archive exports are adapted and improved, especially for weak and instable network environments. Additionally, the NFS handling for external storages was improved and the BARCO video wall controller in combination with Siemens SUT50 control board is now integrated.

IT COMPLIANCE

Operating system and IT security standards

HTTPS communication is improved by only allowing strong, state-of-the-art ciphers like TLS for enhanced IT security. Observer 4.6 bundled is delivered including a new version of the professional server operating system CentOS 6.6 for free. Both, bundled and unbundled versions support 64-bit server hardware and are continuously improved towards the latest IT security standards.