NETAVIS iCAT for Security

Video analytics as an integrative component of video management

NETAVIS iCAT is part of the **NETAVIS Platform for Security and Business**, which provides professional video surveillance, extensive video content analysis, and generates real business value by transforming the raw data into key performance indicators.

NETAVIS iCAT analyzes video streams and detects relevant actions and incidents. With a wide range of powerful and easy-to-configure video analytics modules, iCAT improves the overall security and delivers the full potential of intelligent video surveillance with IP, as well as legacy analogue cameras. iCAT is already installed with every single NETAVIS Observer video management system and is activated by simply changing the license key.
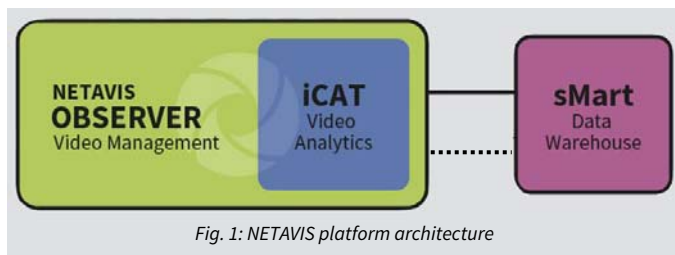

Fig. 1: NETAVIS platform architecture

ICAT NUMBER PLATE RECOGNITION

NETAVIS iCAT NPR provides number plate recognition for vehicle entry, parking, and free flow scenarios.
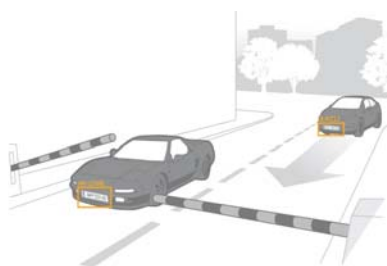

Easy configuration, simple yet powerful black- and whitelists, various automatic triggers and actions as well as filter and search functions with wildcards enable efficient access control management and empower security operators.

Fig. 2: iCAT Number Plate Recognition

ICAT SABOTAGE DETECTION

NETAVIS iCAT Sabotage Detection can recognize three types of camera sabotage: defocusing a camera, covering a camera, and moving a camera. In all three cases, events are generated to trigger an alarm or notify users of the sabotage by e-mail.

This module is included for free in NETAVIS Observer Enterprise licenses.

Fig. 3: iCAT Sabotage Detection

ICAT VIDEO ANALYTICS

NETAVIS iCAT Video Analytics improves **perimeter security** through freely definable object tracking regions and intuitively configurable tripwires.

Objects that cross, move or stop in defined areas automatically trigger an alarm. Thus, iCAT solves various scenarios, e.g.: access control combined with a turnstile, airport security by detecting people walking in the wrong direction, or the detection of loitering people at remote locations.

Fig. 4: Perimeter Security with iCAT

Constraining the objects to size, speed or stopping time further improves the accuracy. Rule Administration allows for an even more extended alarm and action management, as detected events are easily configured to trigger specific actions, like showing a camera in large view, setting a PTZ position or sending an e-mail.

Red Light Violation can detect when cars drive across a crossing, despite the traffic light having switched to red already. This feature allows municipalities and companies with large premises to reliably detect and fine traffic violators .

Fig. 5: Red Light Violation

Dynamic Privacy Mask provides dynamic privacy protection. Within a freely definable area all moving objects and people are detected and dynamically covered with a mask. Of course, Dynamic Privacy Mask can also be scheduled to be active only during certain times of the day or be deactivated manually, e.g. via a panic button in case of an incident.
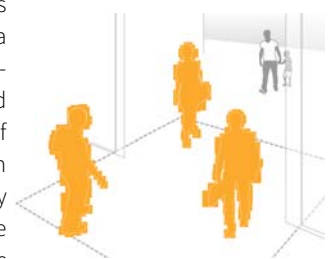

Fig. 6: Dynamic Privacy Mask

For information about **iCAT Traffic** and **iCAT for Business**, please visit our website or contact sales@netavis.net.