VDG

flexible and creative video management solutions

MOBZ Waterworks
Zeeland, The Netherlands

Reliable video management with unlimited possibilities

We develop the most creative and flexible video management solutions worldwide.

VDG Sense is suitable for any video security solution and can be tailor-made to fit your exact wishes and requirements.

With VDG Sense, you have control of all live images and stored video data, in a user-friendly interface. It is scalable from just a few to a few thousand cameras and other connected devices. Integration in any (video) security environment, and with any security device, is easy with our open platform with well documented API and ONVIF support.

Key features of VDG Sense include:
• Fully customizable layouts
• Event-driven server and client macros
• Motion-detected recording
• Failover protection
• Intelligent video content analysis, such as license plate, facial recognition, and object detection
• Dual streaming and Multicasting to reduce network loads.

In addition to the software, VDG Security provides full CCTV solutions, including hardware.

Reasons to choose VDG Security

Flexible, trusted, experienced
It is our mission to be a major contributor to a safe and secure place for everyone, by developing the most creative and flexible video management solutions worldwide.

In-house research and development
We develop our solutions in-house, with the focus on openness, usability, and simplicity. This way we are able to tailor our solutions to your exact wishes and requirements.

A reliable partner
VDG Security is part of the TKH Group's Vision & Security cluster. The TKH Group strives to improve public safety and mobility through high-quality, reliable, and innovative security solutions.

| Trusted | Safe | Secure | Reliable |

Solutions for any kind of video security need

No matter the size, location or complexity of the situation; unlimited scalability and easy integration makes VDG Sense the perfect video management system for any security solution. Our experience and focus lies within the five following vertical markets:

Healthcare

Video surveillance in healthcare environments can help reduce costs and increase the safety and wellbeing of patients and staff. With our tailored video security solutions for the Healthcare sector, video security is implemented in an effective way. Costs are reduced, staff workloads are managed, and the safety and security of patients and staff is brought to a higher level.

Building security

Whether video security is needed for general public safety, protection of valuable assets or (perimeter) intrusion protection, our software integrates seamlessly with other security systems to provide a complete security solution. From a public building with basic security needs, to a highly secured premises with valuables to protect, we have eyes on you.

Marine, oil and gas

Marine, oil, and gas industries rely heavily on video security systems. These systems are important, not just for worker safety, but also for environmental safety and business continuity to the customer VDG Security understands the importance and provides tailor-made solutions that ensure safety, security, and reliability.

Retail

Our video surveillance solutions for retailers are based on two key questions: how to protect properties and precious goods, and how to add value through video surveillance. Video surveillance for retailers can be seen as complicated and costly; our goal is to keep it as simple as possible, adding value to daily operations.

Infrastructure and traffic

Reliable and accurate video surveillance is of utmost importance at critical infrastructure points, such as tunnels, bridges, and highway crossings. We provide the most flexible and innovative solutions for infrastructure video surveillance. We combine the intelligent features of VDG Sense with our experience in infrastructure projects around the world.

International Freight Harbour Singapore
Singapore

Key features for system integrators

Open Platform
VDG Sense is an open platform and can be configured to work with any camera, security device, or integrated into any other security solution. Third-party integrations are easy with our well documented HTTP/XML API, enabling monitoring and remote control of a VDG Sense system.

ONVIF device support
Integration of 3rd party security cameras and other devices is seamless through ONVIF support in VDG Sense. You can also create events based on your devices built-in VCA.

Event-driven macros
By creating rules with our unique macro engine, you can define system behavior and trigger actions when pre-defined events occur. Set-up is easy and macros can be set for server actions, as well as client actions.

Failover protection
VDG Sense monitors more than 100 different points in the system, including network connectivity and hardware-related functions. In any failover situation, all clients and servers automatically reconnect to the hot stand-by server.
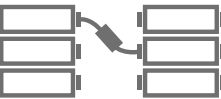
Motion-detected recording
VDG Sense uses its available storage as efficiently as possible, only recording data when movement is detected by a camera.

Face Detection
VDG Sense is able to detect a human face present in a video stream, making forensics and research easier. FaceD is included in the VDG Sense Pro license.

Lower network loads
With dual streaming and multicasting, network loads can be reduced up to 70%. Especially for larger setups, this translates to significantly lower amounts of transferred data.

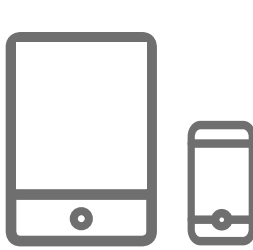# Key features for system operators and other users

User friendly interface
The interface of VDG Sense is designed for an optimal user-friendly experience. With fully customizable layouts and simple interactions, users will be able to find their way through VDG Sense in no time.

Pro-active
VDG Sense will automatically screen and filter images, discover new devices, create events, and alert you when needed. No matter how big the setup, user-specific settings can be configured to have VDG Sense work the way each person prefers.

Custom layouts
VDG Sense can be configured to exactly fit your needs. Each layout is created with panels, such as playback and live video, a map or floor plan with locations of devices, external device control and many, many more. Layouts can be different for each user and situation.

Mobile access
Our mobile apps enable you to view and control your VDG Sense video security system from anywhere. Simply download and install the app on your mobile device (iOS / Android), connect it to your VDG server and you're in control. There is also a web client available for simple access through a web browser.

Yas Marina Circuit
Abu Dhabi, UAE

H. Reyman's Municipal Stadium
Kraków, Poland

VDG Sense VCA Intelligent add-ons

VDG Sense can be expanded with intelligent video content analysis (VCA). This can add huge value to the video data collected. The system automatically analyzes certain situations, and with pre-defined rules, can trigger actions and alerts.

CarR

For license plate recognition, VDG Sense offers CarR, a highly intelligent feature developed to scan license plates in a live video stream.

Example applications of CarR are:
- classify the license plate to the country of origin;
- compare the found license plate to black or white lists;
- count vehicles to detect when a parking lot is full;
- detect vehicles returning within a pre-defined period.

FaceR

FaceR can isolate faces from video images and convert them into metadata. Metadata points are placed on eyebrows, eyes, nose and mouth. The detected face can be compared with the person lists (e.g. a black- or white list). With a match or mismatch, you can create an event to occur, and actions can be triggered using macros.

Besides comparing faces to known lists, risk profiles can be programmed to detect people returning within a pre-defined period. All these events can be used to trigger macros from other components.

ObjectR

ObjectR can isolate objects from video images and classify them into several categories, each containing pre-defined rules.

When a rule is violated, an event is created. For instance, objects which enter a specific area, cross a virtual wire, or leave behind or take away items, can be marked as an event. These events can be used to trigger macros from other components. Multiple rules can be set per camera, and, together with the event/macro feature, the applications are virtually unlimited.
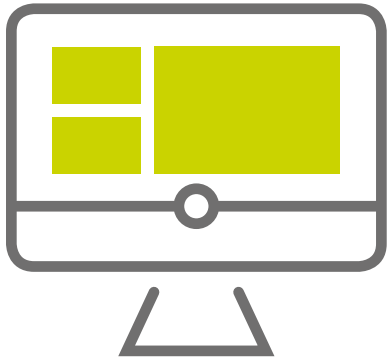
SceneR

SceneR has been developed to detect camera tampering and can analyze video images on change of angle and/or loss of detail.

If a camera's view changes (deliberately or accidentally), this is detected by the algorithm. For example, if a camera is focused on a building entrance and the view of the door is blocked, it can detect this change of view and signal the security officer on duty to see if it is innocent or if further action is required. With the pre-defined angle-of-view and observed scene, the camera notices even the slightest change in view or perspective.
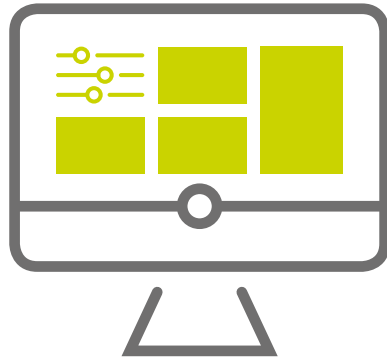
Software licenses overview

VDG Sense is available in three different license forms, each developed for their own specific use.
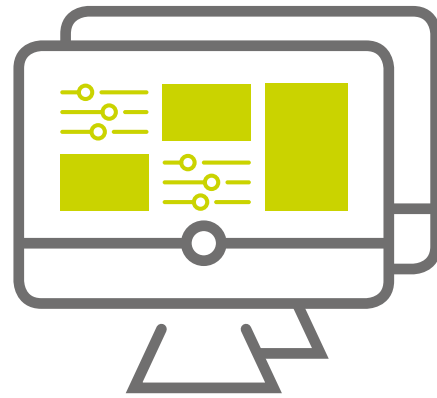

VDG Sense Start

Free of charge and designed for small installations or to discover our software.

VDG Sense Basic

Suitable for small businesses that require an easy to use and effective video security system, mainly for continuous capturing of images for research or evidence.
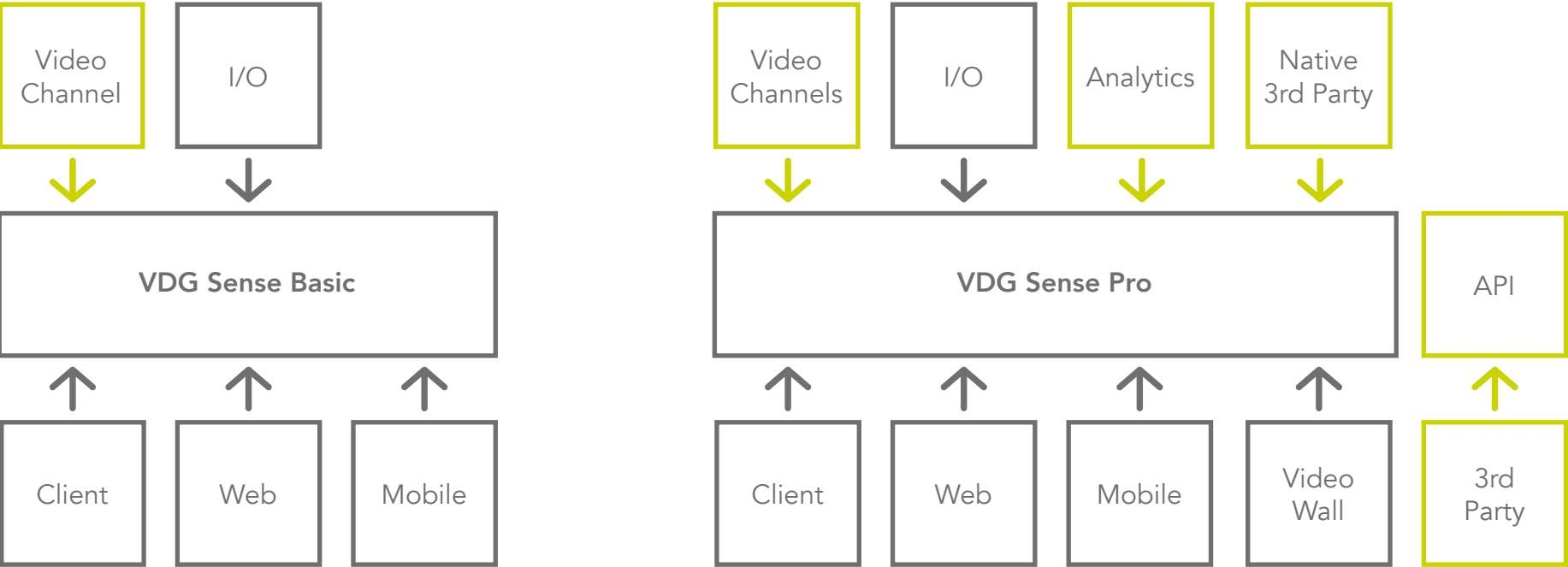

VDG Sense Pro

For large organizations and integration within complex video security environments. The PRO license includes all innovative functionalities and has virtually no limit on the number of servers and video channels.

The Avenues Shopping Mall
Kuwait City, Kuwait

License model

VDG Sense is offered in different licenses and with various add-ons. The available add-ons depend on what license you choose: Basic or Pro.
In the schematic overview below you see which add-ons are availbe with which license, such as video channels, analytics and 3rd party integrations.

VDG Sense Software Upgrade Plan
VDG Security offers a Software Upgrade Plan (SUP) for all VDG Sense software products and many of the add-on products. It can be purchased for a coverage period of one to five years. It is optional for all VDG Sense software products.

2nd Coentunnel
Amsterdam, The Netherlands

VDG

flexible and creative video management solutions