VDG Sense Pro license

SP-BASE

Description

VDG Sense Pro is for large organizations and complex video security environments. VDG Sense Pro offers a complete video security solution. The Pro license includes all innovative functionalities and has no limit on the amount of servers and video channels.

VDG Sense Pro also offers the possibility for intelligent video analytics like license plate recognition, object recognition, face detection and scene analysing. Moreover, failover management is possible to ensures the reliability and availability of the your entire system.

Features

- Multi server deployment
- Unlimited slave servers supported
- 500 video channels per server supported
- 500 external I/O channels per server (incl.)
- 128 simultaneous client connections per server (incl.)

Optional expansions:

- Virtualization license
- Server add-ons
- Management server add-ons
- Pro video channel add-ons

Specs

Video

Codec	Supports MJPEG, MPEG-2, MPEG-4, and H.264 for analog and IP cameras.
Panels	Live viewing, playback, floor plans / maps, on-screen PTZ control, events, customizable buttons, HTML browser, clock and more.
Recording	Continuous or motion / event triggered recording. Can be scheduled using the calendar feature for repetitive action.
Screen layout and video wall	Create layouts through virtual matrix structure or using custom settings. A screen layout can be directed to any monitor as a default setting, manual selection, or as the result of a macro. Different layouts can be combined. The display of multiple screens can be activated by a single operator action or alarm input.
ONVIF	VDG Sense is ONVIF Profile S compliant, allowing a plug-and-play integration of ONVIF capable devices supporting audio & video streaming, PTZ control and relay outputs.

Clients

Mobile applications	For iOS and Android devices there is a VDG Sense app available. Through the mobile app it is possible for users to view and control their VDG Sense video security system from their mobile device such as a smartphone or tablet.
Web client	Allows authorized users remote access to their VDG Sense video security system via a standard Internet browser.

Features

Event driven macros	Event driven macros are pre-defined rules of actions that define the system's behavior, triggered by one or more events.
Dewarping	Dewarping allows the user to cover a wide area with a single device, such as a fisheye lens or 360 camera, and to have a "normal" view of an otherwise distorted or reversed image.
Dual streaming	Dual streaming provides live streaming video in standard quality, and recorded video in high resolution and vice versa. Compared to a standard CCTV environment, where streaming video and recorded video are the same quality, a much smaller demand is placed on the network capacity.
Multicasting	With Multicasting, network loads are reduced up to 30% compared to conventional streaming video to multiple clients.
Picture and video export	Still images are time-stamped and exported to a PDF format. A video clip with a selected start and end time from one or more cameras can be exported simultaneously. All video material can be exported to a network location or portable device.
Log files	All events, macros, changes, and specific user activities are logged in the database.
Profiles	Profiles comprise user settings and macro commands. Profiles describe the behavior of all connected devices through predefined time frames and / or situations. Profiles can be (de)activated through the calendar function, external XML commands, internal macro commands, user events, and I/O contacts.
User management	User management can only be performed by an administrator; administrators can grant multilevel access to users among all predefined objects in the system.

Specs

Features

Calendar	Used to (de)activate profiles and run automated macros within specified periods.
Statistics	Generated for devices, hard disks, and network in real time to assist support engineers, technicians, and network managers.

Add-ons

Failover management	The failover server ensures the reliability and availability of the entire system. If no response is received from one of the VDG Sense servers, the failover server takes over the settings and functionality of that server.

Intelligence add-ons

CarR	For license plate recognition. A highly intelligent feature developed to scan for license plates in a live video stream.
ObjectR	ObjectR is intelligence that isolates objects from video images and classifies them into several categories, each containing pre-defined rules. When rules are violated, events are created that can trigger macros or define system settings.
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 an event can be created and actions can be triggered using macros.
SceneR	SceneR has been developed to detect camera tampering and can analyze video images on change of angle and / or loss of detail.

Server minimum system requirements

Processor	Intel Xeon or Intel Core i7 Processor, with a minimum of 3.0GHz, Quad Core, 8MB cache, DDR3-1333MHz or higher
Internal memory	8GB
RAID	Minimum of 3 Hard drives, RAID 5 or RAID 6 ; RAID controller with 512MB cache
Network interface card	Dual gigabit Ethernet network interface card
Power	Redundant power supply
Operating system	Microsoft Windows 7 SP1 Professional (64Bit), Microsoft Server 2008 R2, Microsoft Server 2012R2, Windows 10 (64 bit)

Client minimum system requirements

Processor	Intel Core i5 or i7, with a minimum of 3.00GHz, 6MB, Quad Core
Memory	8GB
Graphics card	Dual or quad graphic 512MB (or higher) PCI express card
Network interface card	1Gb Ethernet network interface card
Audio	Standard audio card
Operating system	Microsoft Windows 7 SP1 Professional (64Bit), Windows 10 (64 bit)