

Perimeter intrusion detection: making the invisible, visible

Monitoring a border. Protecting an industrial site from sabotage. Keeping trespassers away from critical infrastructure. Many surveillance situations call for absolute security. But how can you be sure to spot every single important event?

Situational awareness

Video surveillance still largely depends on human decisions. Unfortunately, the odds are against us. Put us in front of a surveillance screen, and over a 20-minute period we will fail to register as much as 90 percent of the action. And that figure only goes up when instead of a single screen we are monitoring an entire video wall.

The secret of effective surveillance lies in situational awareness. If we are fully aware of what is happening around us, we take better decisions. But that doesn't mean we should try to absorb every little detail. What is important is not the quantity but the quality of the information. Only information that is relevant to a particular situation should be considered, the rest is noise. ObjectR-PID helps you with that.

Focus on exceptions

ObjectR-PID is a complete solution for perimeter intrusion detection (PID) that combines exceptional reliability with the lowest possible false-alarm rate. Unlike the human eye, it is able to identify the tiniest of changes in a scene, sending out an alert whenever an object crosses a detection line or enters a detection zone. The result: a greatly enhanced workflow. Having the right information at the right time puts you in a perfect position to take the right decisions.

ObjectR-PID helps you stay focused. It only draws your attention to events that deviate from the norm, not to everything that is going as expected. Implementation is easy. The products within the ObjectR-PID family can be used on their own, or in conjunction with a central configuration server and/or video management system.



Do you want to detect the unexpected?
Here is how it works.

Free license

See what DIVA can do for you.
Visit www.divasecurity.com for a free DIVA Server Start License.

Dutch Design

Siqura's portfolio gives you all the benefits of IP technology while protecting the investment you have made in your current infrastructure. Most of our products are developed and manufactured in the Netherlands. Throughout the world, Dutch design is known for its functionality and durability. Since we are not tied to mass production facilities in the Far East, we can keep the lines between our research, design and assembly departments very short. This allows us to create affordable solutions that do exactly what you need.



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Siqura and DIVA are part of TKH Security Solutions, a division of the TKH Group. TKH Security Solutions offers a wide range of systems for access control, surveillance, intrusion detection and video management.



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Perimeter intrusion detection siquaring your world

Let's siquire your world!

Perimeter intrusion detection: no more invisible guests

BC840-PID and BC620WDR-PID cameras

Looking for an easy and affordable way to detect intruders? Siquira's BC840-PID and BC620WDR-PID cameras implement PID right at the edge of your network. All you need to do is plug them in and use the highly intuitive web interface to fine-tune your settings. The number crunching takes place inside these intelligent IP cameras, which eliminates the need for maintenance-hungry servers.

The BC840-PID, a full-HD box camera, offers excellent performance in low-light conditions. It boasts a 1/2.8" progressive scan CMOS imager, a wide dynamic range and an IR-cut filter, resulting in high-definition full-colour images even when the only available light source is the moon (0.1 lux). The BC620WDR-PID is a dual H.264 box camera equipped with a 1/3" Pixim Seawolf imager with a superwide dynamic range. It captures critical details-highlights, shadows and everything in between-without compromising image quality or colour accuracy.

Both cameras are based on i-LIDS-certified analytics and can be used as the primary sensor in sterile environments. That means you won't have to purchase additional hardware such as pressure plates or microwave/infrared installations.



VDG Sense, formally known as DIVA

Security isn't just a matter of buying the right hardware. It is about using that hardware to its full potential. But how to make the most of what you have? VDG Sense is an advanced video management system (VMS) that consolidates your surveillance equipment into a single seamless solution, giving you the tools you need to act quickly and efficiently. Continuously analysing camera images for

unusual occurrences, it alerts you within seconds of the type of incident and its location. VDG Sense video content analysis (VCA) capabilities range from perimeter intrusion detection to face, object and license plate recognition. One DIVA server can handle up to eight PID channels simultaneously.

However, VDG Sense does much more than just sending out alerts. Its powerful macro

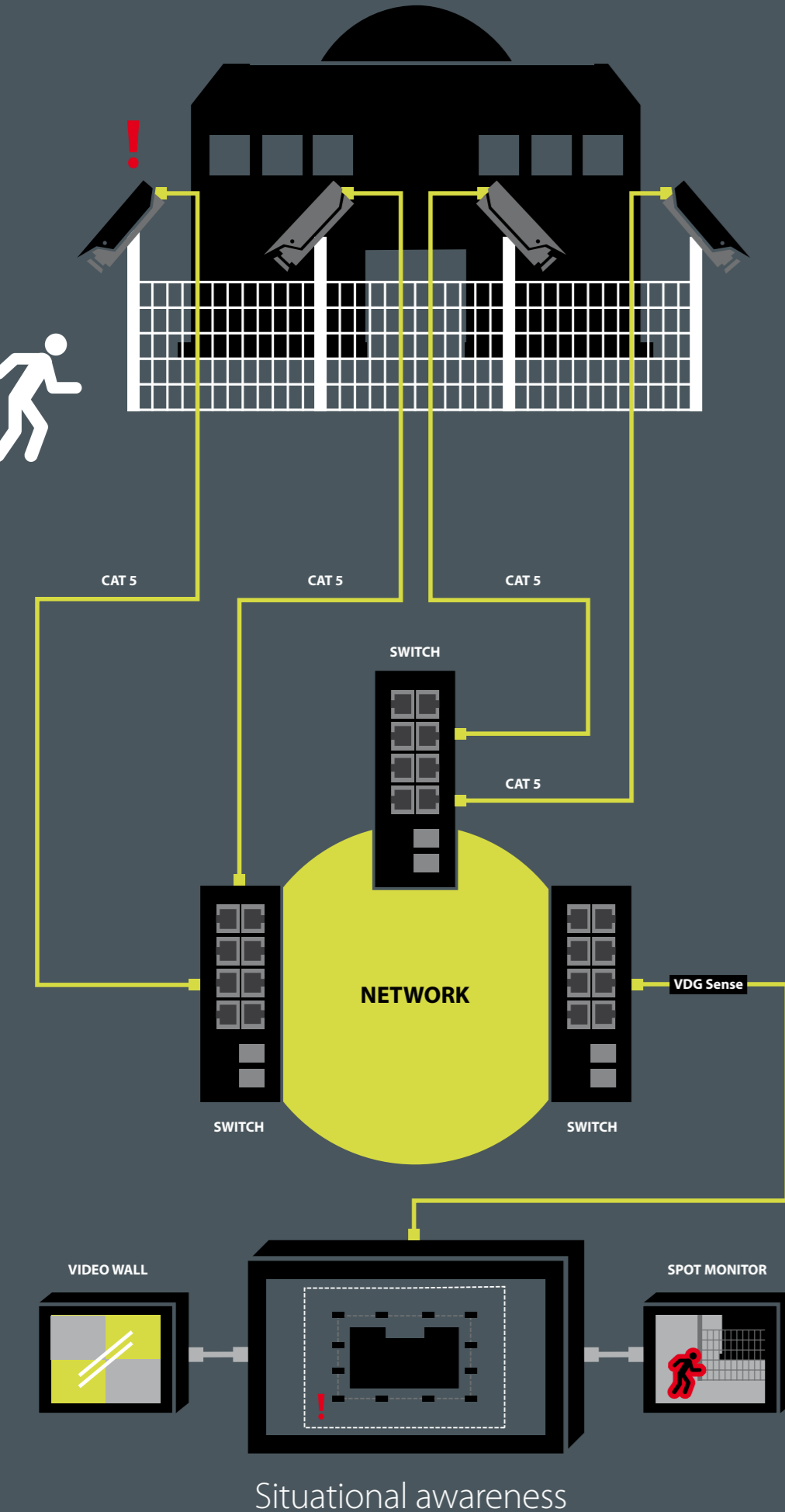
engine automatically initiates a sequence of predefined actions whenever a critical event is detected. Incidents can trigger a camera zoom, set off a recording or cause a surveillance stream to be maximised to full screen. This way, VDG Sense lets you focus on what matters most. So you get it right. Every single time.



NETWORK



NETWORK



Situational awareness

C620 E-PID video encoder

Siquira's IP cameras offer superb image quality. Even so, you may not be quite ready yet to say goodbye to your analogue surveillance cameras. Fortunately, there is no need to do so straight away. By connecting your analogue cameras to a video encoder (also commonly known as a video server or coded) they become an integral part of your IP infrastructure. Once an analogue camera has reached the end of its service life, you can easily have it replaced by an IP camera.

Siquira's C620 E-PID video encoder goes the extra mile by delivering embedded PID analytics straight to your analogue surveillance cameras. That opens up a range of interesting possibilities. Imagine the detection power you will get if you can operate your analogue thermal cameras with full PID functionality. The C620 E-PID runs the same i-LIDS-certified software as the BC840-PID and BC620WDR-PID IP cameras.

The C620-PID is part of Siquira's C-series product family. These environmentally hardened devices are fitted with clever technology that detects video presence and monitors image quality and field of view. Notifications are sent as soon as the camera image degrades, the lens becomes too dirty or the camera's position has been tampered with. The benefits are clear: knowing what is going on in your video network results in a significant drop in scheduled and reactive maintenance time.



VCA Configuration Server

For advanced detection and forensic search options, all you need to do is implement DIVA or, if you are using a different video management system, Siquira's VCA Configuration Server.

Forensic search is an easy way to comb your recorded footage for relevant objects. These objects can be stored and compared

to earlier results. All of this happens incredibly fast: up to 10,000 times faster than real-time. After a few iterations the best-performing configuration will be uploaded to your edge devices. This approach reduces the number of false alarms to zero and slashes maintenance costs.

VCA Configuration Server handles up to 64 channels. Each channel records video

and the associated object data stream (objects detected in the footage) on the server's internal RAID 1-mirrored hard drive.

Apart from forensic search, VCA Configuration Server features a number of special configuration templates enabling all sorts of detection mechanisms, including left luggage detection and people and traffic counting.

