Migration to IP

You may not think about it every time you send an email, browse your favourite websites or connect to a remote computer. But the fact is that in just a few short years IP technology has revolutionised the way we live and work. Communication takes place instantly, the world's knowledge is at our fingertips and we are more productive than ever.

Benefits of IP

The rise of IP technology has also pushed ahead the video surveillance industry. Image quality may be the most obvious improvement: while analogue surveillance cameras capture images in the low-grade PAL or NTSC format, IP paves the way for full-HD video streams, resulting in a crystal clear view of what is happening out there.

But there is much more to IP. An IP network allows you to transfer video signals from any source in that network to any destination you want. That means live footage can be viewed in the central control room, while a duplicate stream is sent to a remote recorder or to the mobile device of one of your operators.

Step-by-step approach

Flexibility, scalability, a higher level of data security: the advantages of IP technology are very exciting indeed. Still, many companies are reluctant to make the move from analogue to digital. They think they will have to replace their existing infrastructure and are afraid that a full-blown migration simply won't fit their budget.

Siqura, however, offers a straightforward migration path. And the good news is, you won't have to rip out miles worth of cabling. Any medium will do, including coaxial cable. All it takes is a few clever network adjustments and you will be able to enjoy the benefits of the digital age. Should you decide to implement a different medium at a later stage, any hardware investments you may have made in the meantime will keep their value.

Would you like to migrate to IP at a rate that suits you best?
Here is how it works.

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 tailor-made solutions that do exactly what you need.

Let's siqure your world!

Migration to IP siquring your world

SIQURA SURVEILLANCE SOLUTIONS

version September 2013

Siqura B.V
Zuidelijk Halfrond 4
2801 DD Gouda
The Netherlands

T +31 18 25 92 333
F +31 18 25 92 123

sales.nl@tkhsecurity.com
www.siqura.com

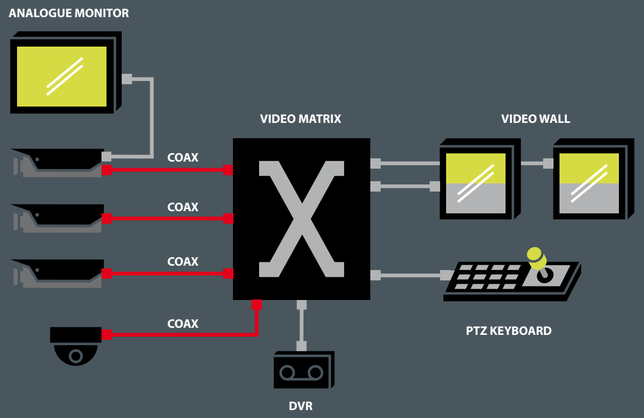
TKH GROUP member of the TKH Group

www.siqura.com

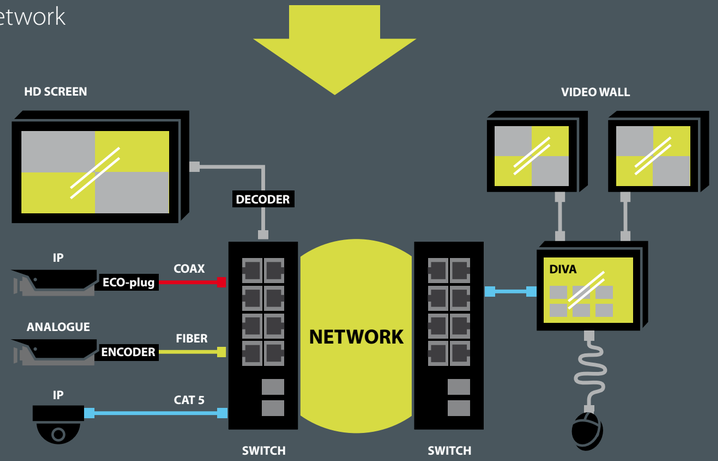
SIQURA SURVEILLANCE SOLUTIONS

Migration to IP: a step-by-step approach

Analogue network



IP network



IP cameras

Surveillance cameras are the eyes of your security system. Upgrade to Siqura's high-definition IP cameras and you won't believe what you see: brilliant full-HD video with a level of detail that will astound you. What used to be a blur or a dark blotch on your screen is now a perfectly rendered object that can be readily identified. Migrating to IP cameras isn't necessarily a costly operation. Thanks to the high level of detail, you are likely to cover the same surveillance area with fewer cameras. Of course, you can also replace one camera at a time, thus spreading your investment over a number of years.

DIVA

No matter how advanced your hardware components, a video surveillance system is only as good as the software that connects those components. Siqura uses DIVA, a state-of-the-art video management system (VMS). It replaces your digital video recorder (DVR) and stores your video and audio streams in a wide range of formats. With the web client and mobile app you can manage your surveillance system on the go.

Different operators have different roles. That's why DIVA boasts a fully customisable graphical user interface that can be arranged and rearranged to suit the tasks of a particular operator. Moreover, DIVA's powerful macro engine helps you act as quick as a flash: certain events will trigger a sequence of predefined actions, allowing you to take the right decision at the right time.

It goes without saying that a video surveillance system should be utterly reliable. DIVA's real-time statistics enable you to keep a close watch on your server performance, including CPU, disk space, bandwidth and network usage. In case of a failover, a hot standby server takes over in less than 90 seconds.

DIVA offers full integration with third-party systems and analogue video matrix switchers, granting you the freedom to gradually migrate to an IP-only installation.

Video encoders

Migrations are all about leaving behind the old and embracing the new. 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 surveillance cameras to a video encoder (also commonly known as a video server or codec) they become an integral part of your IP infrastructure.

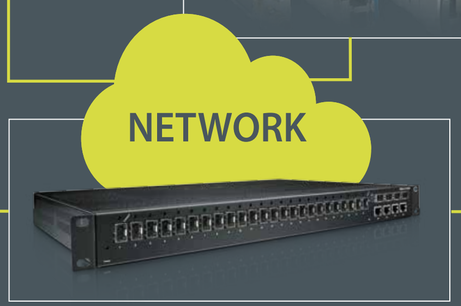
Once an analogue camera has reached the end of its service life, you can easily have it replaced by an IP camera or, if you prefer, a new analogue camera of your choosing.

Siqura's video encoders go the extra mile by delivering embedded analytics for Perimeter Intrusion Detection (PID) and Camera Health Check to your analogue surveillance cameras. These intelligent features help you act swiftly in situations where every minute counts.

ECO-plug

Would you like to migrate from analogue to digital video surveillance but do you shudder at the thought of having to replace your existing network infrastructure? Siqura's unique ECO-plug may be just the solution for you. Simply slide one ECO-plug into the SFP slot of your IP camera and another into the SFP slot of your switch, and you are ready to start streaming full-HD video over your existing coaxial cable.

Siqura's low-energy ECO-plug is the most compact Ethernet-over-coax solution currently available. Unlike other solutions in the market, there is no need for dedicated receivers. The beauty of this trimmed-down approach lies in the fact that you can migrate from coax to fiber or UTP whenever it suits you. All you will need to do is replace the ECO-plug with the appropriate SFP and you are good to go.



Switches

One of the best things about migrating to IP is that it releases you from the constraints of your analogue video matrix switcher. IP networks offer true routing flexibility: with the push of a button, any authorised user can monitor video streams or operate a connected camera from anywhere in the network.

Siqura's SFP-enabled switches integrate seamlessly with SFP-enabled cameras and video encoders, allowing you to mix and match various types of optical fiber and copper. Models with built-in PoE and PoE+ power your cameras directly over the network. This eliminates the need for a dedicated power outlet for every surveillance camera, leading to faster deployment times and significantly lower installation costs.

Video decoders

What goes for your analogue surveillance cameras also goes for the analogue monitors you may be using to display your video streams: no need to replace them if they are still good. But sticking with familiar equipment shouldn't keep you from migrating to modern technology. By adding a video decoder, IP video streams are converted to video signals suitable for standard analogue monitors (such as TV sets).

Already using flat-screen LCD monitors? Siqura provides a decoder that displays multiple full-HD streams from different vendors on one or two LCD/LED screens. This stand-alone decoder can be mounted directly on the monitor itself, keeping the HDMI connection as short as possible.

For more information go to: www.siqura.com

SIQURA
SURVEILLANCE SOLUTIONS