

Any video security system can capture criminal activity.





VideolQ does more to prevent it.

THINK ABOUT IT: WHEN YOU SECURE YOUR CRITICAL ASSETS, YOU SECURE YOUR ENTIRE COMPANY.

In the energy and utility industry, the difference between preventing a criminal act and dealing with its consequences after the fact is immeasurable. There are repairs, theft loss, service interruptions, downtime, unwanted headlines, non-compliance penalty fees and more. With stakes this high, is anything other than a best-in-class security solution even an option?

Introducing VideolQ® – innovators of the most intelligent real-time threat detection surveillance solutions. Now you can prevent unwanted activity at critical facilities and remote locations for a fraction of the cost of on-site guards.

The game-changer is VideolQ's adaptive analytics, which significantly reduce false alarms by accurately differentiating legitimate threats from benign activity and scene movement. When a suspicious event is detected, VideolQ can track the activity in

high-definition, full-motion video while initiating a number of alarm responses that can proactively alert security personnel before a crime is committed.

VideolQ iCVR™ cameras can record high-definition images at full frame rate and securely store that video in an onboard NVR for several months using no bandwidth at all – making this all-in-one camera solution simple to install on any existing network.

Hundreds of energy companies are already using VideolQ to solve their most difficult and important physical security challenges. It's time to join them. They're getting the best of both worlds: Real-time threat detection to stop crime in its tracks and high definition video for prosecutable forensic evidence.

To speak with a VideolQ solutions specialist to schedule a demo or to find an authorized integrator: **888-351-1758 | info@videoiq.com | videoiq.com**

ADAPTIVE ANALYTICS

Want to drastically reduce false alarms? There's only one way to do it – with VideolQ's adaptive analytics.

Exclusive to VideolQ products, this patented technology is based on pattern analysis rather than pixel analysis. VideolQ accurately differentiates people and vehicles from animals and other scene movement caused by weather and wind. But that's just the beginning. Continuously self-calibrating, these analytics actually become more intelligent with each object detected, and they're ready to use right out of the box.

You'll see a dramatic reduction in false alarms and more accurately identify events of high interest in all weather and lighting conditions. When a threat is detected, a system-wide notification and response can be initiated with the ability to send alarm messages

to workstations and smart phones. Two-way audio and recording capabilities enable you to give verbal warnings to suspected intruders and instantly capture audio recordings of alarm events. With VideolQ, you can secure your most remote perimeters and protect critical assets at 1/5 the cost of on-site guards, and make your own guard force more responsive and effective.



INTELLIGENT DISTRIBUTED STORAGE

VideolQ has long been the leader in robust storage solutions on the edge, and for good reasons.

Intelligent storage options at the edge enable VideolQ systems to record activity continuously without taxing your network infrastructure, while retaining the ability to stream live high definition video on demand as events occur. By eliminating the need to stream video continuously over a network, a VideolQ solution reduces bandwidth consumption by over 90% when compared to other high definition surveillance systems. Now it's possible to add video surveillance to remote areas previously unprotected due to cost and bandwidth availability.

Hybrid (SSD & HDD) and onboard NVR storage options eliminate the need for expensive centralized storage and high capacity networks – reducing cost, system complexity and deployment time. One customer recently called to let us know his camera installation time was reduced “from hours to minutes.”

Each device uses video analytics to automatically manage storage and bandwidth requirements, making it easy to deploy in any environment including wireless, 3G & 4G and mixed IT networks.

Onboard storage enables cameras to capture activity even if the network is unavailable, cataloguing HD quality forensic video whenever needed.

With up to 750GB of storage, VideolQ iCVR cameras and encoders can record high definition 1080p images at 30 frames per second and store them for months using zero bandwidth.



A typical remote installation deployed by one of the top three leading producers of natural gas at over 500 sites. One IR illuminator and two VideolQ HD cameras are powered completely by solar and utilize a wireless 3G connection.

HERE'S WHAT ONE CUSTOMER HAS TO SAY ABOUT VIDEOIQ'S PRODUCTS AND PEOPLE:

"Thank you, VideoIQ."

In the first week of deployment our new VideoIQ camera alerted our Operations Center to an intrusion into our substation.

The system worked wonderfully, providing immediate notification of the intrusion and supplying us with a high quality image of the suspect. This image (intentionally blurred) was provided to area law enforcement. Our state law requires a photo and thumbprint be taken of all individuals selling scrap metals. Investigators were able to match this image with a photo of the suspect turning in stolen materials to a scrap dealer. The suspect was successfully prosecuted and convicted of nine copper thefts from a number of our substations.

I haven't had a single regret from installation on through to your follow-up and support. It makes us feel like a valued customer – not a number."

~ John, Physical Security Specialist



OIL & GAS

VideoIQ can secure oil and gas facilities all the way from upstream production to downstream retail delivery.

VideoIQ integrates with Flir® thermal imaging cameras to provide an unmatched level of protection in low and difficult light environments, such as refineries or seaports at night. Additionally, this integration enables a single thermal camera to effectively monitor up to 1,600 feet of pipeline or fence line with full alarm and response capability.

Can your existing video surveillance system do that?

On the back end of the production cycle, VideoIQ also provides uniform, cost-effective protection of delivery terminals and retail locations.



ELECTRICAL UTILITIES

A smart, secure grid is a reliable grid. VideoIQ can help keep your plant online and compliant, while reducing losses due to theft.

NERC security objectives clearly state that all companies responsible for the reliability of Bulk Electric Systems in North America ***must identify and protect Critical Assets that could impact the reliability of these systems.***

With non-compliance penalty fees of up to one million dollars per day, ensuring compliance is priority one.

Metal theft is up a whopping 83% over two years, with copper theft representing 96% of this growth. If your operation depends on copper and other valuable materials, VideoIQ can make your perimeters more secure and protect these critical assets better.

By making your physical security network more effective and significantly reducing response time, theft and vandalism could be a thing of the past.

SOLAR & WIND FARMS

Used to be you'd put up a fence, add some fiber optic motion sensors and call it good.

But is that any way to secure your critical assets and sensitive facilities? In the past, securing expansive perimeters could be a daunting challenge where conventional video surveillance systems aren't practical and the cost of placing on-site guards can be expensive.

Motion sensors have proven to be unreliable and trigger a high number of frustrating false alarms. And a fence is low-level security, at best.

That was then. Now VideoIQ makes it cost-effective to bring best-in-class threat detection and real-time response capabilities to locations like these. In fact, over one thousand remote energy locations are currently being secured by VideoIQ for one very good reason – because it works.



ABOUT VIDEOIQ

Since 2007, VideoIQ has been the recognized leader applying analytics to video surveillance. Energy and utility companies across the globe have trusted VideoIQ to help them proactively secure critical infrastructure and prevent theft and sabotage. We invite you to learn more about designing targeted solutions for high risk areas with just a few cameras or deploying thousands of cameras across your enterprise for consistent and reliable proactive security. Together we can keep your critical assets safe.

HOW TO BUY

VideoIQ is proud to work with top security integrators across the globe. We can recommend authorized and trusted VideoIQ integrators or work with your preferred systems integrator. Our support specialists, in-house design engineers and local factory reps are security and surveillance experts who can walk you through the process, help design bid specifications, give onsite demonstrations or coordinate temporary proof-of-concept installations.

VideoIQ Products for Energy and Utilities



iCVR-HD



iCVR Encoder



Rialto A4 Analytic Bridge

Max Resolution / Channels			
1080p / 30fps	Y		
D1 / 30fps		Y	Y / 4 channels
Environmental			
Rating	IP66	IP30	IP40
Power options	PoE, 12VDC, 24 VAC	PoE, 12VDC, 24 VAC	12 VDC
VMS Integrations			
VideoIQ View	Y	Y	Y
Pre-integrated with 3rd party VMS	Y	Y	Y*
Onboard NVR Storage			
Storage type	Hybrid (SSD & HDD)	Hybrid (SSD & HDD)	SSD
Full onboard NVR	Y	Y	Y
Maximum capacity	750GB	500GB	160 GB
Features			
View™ Alarm Management Software	Free w/web browser	Free w/web browser	Free w/web browser
Analytics	Y (1080p)	Y (D1)	Y (D1)
Control PTZ Cameras		Y	Y
Flexible analytic alerts and notifications	Y (VMS, HTTP Push, Email, SMS)	Y (VMS, HTTP Push, Email, SMS)	Y (VMS, HTTP Push, Email, SMS)
Thermal Camera Use		Y	Y
Multi-Streaming	x2 H.264 + 1 MJPEG	x2 H.264	x2 H.264 + 1 MJPEG
Audio Channels	1 in, 1 out	1 in, 1 out	2 in, 2 out

* Leading VMS providers include but are not limited to: Avigilon, Exacq, Genetec, Lenel, Milestone, OnSSI

View Software is integrated into all VideoIQ products and provides a comprehensive video management system to easily monitor, track and analyze your surveillance system. Easy to use, customized configurable rules and alerts enable real-time detection and prevention. View is easy to use, easy to configure and has no licensing fees. With no third party VMS integration, the VideoIQ solution is an even smarter choice.



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