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“We needed a camera supplier that could recreate a crisp, sharp image with no glare and no delay – something that was unheard of in the market.”

Paul Hudson
Senior Development Engineer
Tata Steel Europe Limited
2020 Vision has built a reputation as a leading provider of high quality security solutions.

We consider every detail of the security landscape. 2020 Vision specialise in technical security risk assessment aligned with leading edge operational security solutions, featuring IP/digital systems, remote monitoring 24/7, service, maintenance and technical support.

2020 Vision lead by Managing Director Peter Houlis has been providing bespoke security management and control solutions to private clients, commercial, corporate and government sectors for over 25 years and we are recognised as leaders within the Security Risk Management and Control sector. We specialise in developing, implementing and maintaining complex integrated security systems and protocols with the flexibility and skill to combat the many and varied levels of risk in today’s rapidly changing world.
From private luxury residencies and estates to business parks and individual commercial premises, 2020 Vision create environments that will safeguard property and assets, protecting individuals, customers and staff, allowing all to operate their daily lives without disruption or fear.

There is no “one size fits all” solution to protecting property, assets and people. The risks, threats and vulnerabilities posed today mean each and every project must be considered on its own merits, ensuring the right measures are implemented.

Attitudes and appreciation of risk vary, 2020 Vision always take this into consideration. Key decision makers within organisations who require insight into risk factors in order to make informed decisions towards improved security measures, or the individual who can often fail to take even the most basic steps towards protecting themselves and their family, wrongly believing security will be too intrusive, restrict freedom and be too costly. Yet with best consultative security practice, privacy, freedom and lifestyle can actually be enhanced.

It is important that a security scheme is designed to fit around needs, to discreetly blend into the environment when necessary, to give complete confidence, assurance and peace of mind.

Physical Security
Converged Security Systems
IP CCTV Camera Systems
Video Analytics
ANPR
CCTV Control Room
Access Control
Monitoring & Response Services
Service & Maintenance
Consultancy & Assessments
Home Security Systems

“I can recommend the company as we have had no problems and will continue to rely on their expertise until such time as the agreed contract period ends. Any problems that have appeared have been dealt with swiftly by either our allocated engineer or Chris Gallon at the company HQ.”

Steve Donnelly
Security Manager
Knowsley Metropolitan Borough Council
We then design a countermeasure scheme to decrease the likelihood or the consequence of potential threats to security.

We consider every detail of the security landscape, we examine the environment, assets and property and determine how is it likely to change in the future. It is only after we have captured this important data that we can objectively apply an unbiased approach to specifying and implementing the correct security solution.

As accredited security specialists, we have a leading in house team of IT specialists and we have access to an unrivalled range of IP centric products. We offer project-specific security schemes, providing a total package to specific markets including Critical National Infrastructure clients requiring full command and control facility and support.

2020 Vision specialise in safeguarding property and assets, protecting individuals, customers and staff, allowing all to operate their daily live without disruption or fear.
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Home Security Systems
Converged security systems incorporate both virtual and physical measures to create a seamless, centrally managed assets protection platform.

2020 Vision specialises in integrating some of the most complex communications and security systems in the industry today.

Our competitive edge continues to be where our customers’ communication and security requirements intersect. As security systems increasingly rely on communication networks to efficiently transmit information, 2020 Vision is uniquely qualified to understand the infrastructure requirements, new network technologies and the operational, functional, cost and time efficiencies associated with installing two diverse networks at the same time.

2020 Vision are able to provide clients with true integration services, along with strong project management expertise and superior customer service, to ensure network compatibility, cost-effectiveness and reliability.
2020 Vision are experts at the design and installation of IP CCTV Camera Systems, we have a successful track record of installing IP Surveillance Systems in many locations in the UK, Europe and Internationally.

End-to-end IP Surveillance solutions for business

IP based CCTV can provide HD quality video and ensures great synergy with your IT systems. We use the market leading IP CCTV systems to ensure good integration with existing IT systems and policies. Network based CCTV provides reduced running costs, increased flexibility, choice of video analytics and great picture quality. We supply the market leading products for Cameras and Management Software.

“Despite having the population of a small town, Newcastle is already one of the safest Universities in the country, but we can never be too complacent when it comes to student safety. Our CCTV cameras have helped cut crimes committed in University grounds by more than 50% over the past six years. As a whole, the company’s attention to detail and professionalism is first class.”

George Westwater
Estate Security Manager
University of Newcastle upon Tyne
High Definition – Axis CCTV Cameras

Axis is our preferred camera supplier. Axis provide the market leading camera with a number of key features:

- Large Range of HD and MegaPixel Cameras

Power Over Ethernet

Powering the cameras through the network has a number of advantages:

- Avoids special, costly power spurs
- Enables easier application of uninterruptible power supplies (UPS)
- Reduces cost of installation
- Simplifies Maintenance
- Uses PoE to ensure reliability
- Best Security Features
- Fits well with current IT

Video Management Software

We use market leading software:

- Produces a fully scalable solution
- Integrates with other security systems
- Supports a variety of camera manufacturers
- Comprehensive Analytics
- Easy to Use

“The replacement of the ageing and disparate equipment is long overdue. The new integrated solution will see our security and safety procedures raised to the highest level, which can only be of benefit to the hospitals and people working and passing through them. We are delighted with the results”

Robin Smith
Estates Consultant
Newcastle upon Tyne Hospitals NHS Foundation Trust
Superior Image Quality

Image quality is clearly one of the most important features of any camera. 2020 Vision System IP cameras give superior image quality in even poor light conditions enabling the identification of incidents with unparalleled image quality. This enables the user to closely follow changing situations as they develop, ensuring more effective decision making to safeguard people and property. It also ensures greater accuracy for automated analysis and alarm tools. 2020 Vision – IP Surveillance Systems, ensure that in critical situations you can identify what is really happening and in many cases notify the civil authorities to apprehend intruders while they are still on the premises. In a fully digital IP surveillance system, images from a network camera are digitised once and they stay digital with no unnecessary conversions and no image degradation due to distance travelled over a network.

Facial Recognition Systems

IP video technology advances daily and there are enormous possibilities for face recognition technology both now and in the future. 2020 Vision are experiencing a high demand from companies across the globe where security has become the crucial factor for business growth. 2020 Vision can provide the right solution for crime mitigation and we have provided solutions in many market sectors, retail, banking, law enforcement.
Automatic Number Plate Recognition

Our Automatic Number Plate Recognition (ANPR) systems provide high performance detection of vehicle number plates that can be used for Access Control, Car Park Management, Traffic Monitoring and Journey Time Analysis Systems. Our ANPR systems will also detect vehicles loitering and allow users to view historical data to identify vehicles being used by criminals for unlawful surveillance.

The Complete System

2020 Vision specialise in delivering the complete package when it comes to IP Surveillance systems, we can tailor our products to meet your needs and deliver a bespoke system that is future proof and can organically grow with your business.

End-to-end IP Surveillance solutions for business
High Definition – Axis CCTV Cameras
Power Over Ethernet
Video Management Software
Superior Image Quality
Facial Recognition Systems
Automatic Number Plate Recognition
The Complete System

“We needed a camera supplier that could recreate a crisp, sharp image with no glare and no delay – something that was unheard of in the market.”

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2020 Vision Video Analytics – Smart Video Surveillance to detect, recognise, analyse & track people, vehicles, objects. Video analytics software monitors in real time, 24 hours a day, 365 days a year without distraction and adds significant benefits in live-monitored and incident review operations. Video Analytics allows improved operational performance and increased monitoring without an increase in staff, solutions include:

**Congestion detection**

Congestion detection – used to detect a build-up of congestion in an area of interest – for example, railway station platforms, public spaces, motorway entry and exit roads, retail point-of-sale queues, etc. This helps to initiate timely actions and reactions, it can also be used to provide statistics for staff planning and marketing purposes. For example, it can detect when a shopping centre is at its busiest, or when supermarket checkout queues start to build up.

**Motion detection**

Video analytics motion detection can be used to detect unauthorised entry, for example, if a member of staff leaves by an unapproved exit. Specific areas of interest can be defined in a scene and searched automatically through a recording to identify and view any significant motion that occurred during the recording. This is useful when searching for motion in a quiet area throughout a long period of recorded video. It can be tuned using parameters such as object size and sensitivity. A “no-motion” option lets you monitor things that should be moving and alert when motion stops, e.g. escalators and conveyor belts.

**Abandoned object detection**

Video analytics abandoned object detection can be used for alarm generation if an object has been left in a busy scene (such as a suitcase in an airport or railway station), this feature is a key component in the timely management of dangerous situations. This functionality can also be used to detect illegal parking, or vehicles staying too long in certain zones, etc. It can also be used to search recordings for events such as parking violations and blocked roadways.

**Intrusion – virtual tripwire**

With a video analytics virtual tripwire can be set alongside a railway track, motorway hard shoulder, building perimeter or around a temporarily parked asset. An alert is generated when that tripwire is breached, the system “understands” direction, based on direction of approach. A virtual tripwire can also be placed on the entrance into a building or car-park to review how many people or vehicles enter. As an example two virtual tripwires can be placed within a monitored environment and combined with logic, alarm only if both tripwires are crossed.
Theft detection

There is an option to detect theft of static objects, in this mode the video analytics sensitivity is configurable, moving foreground objects are ignored. It can also be used when reviewing recorded footage, for example a warehouse, stockroom or retail environment. It can quickly identify when a targeted item was moved or removed from a static location.

Counter flow and movement

Video analytics counter flow is available to detect a person or vehicle moving in an unauthorised direction, for example a vehicle traveling in the wrong direction on a carriageway or a person moving the wrong way through airport security. Counter flow analysis can help optimise crowd control in public areas, such as the underground, train stations, airports and ferry terminals.

Camera vandalism

Video analytics hooded camera mode detects when a camera’s view has been obscured. Examples include the camera being covered by a bag and the lens being deliberately defocused or spray painted.
Automatic Number Plate Recognition has been widely used by local authorities, police and security services for many years.

New markets are appearing, such as petrol retailers, academic institutions, healthcare and other security conscious organisations. Cameras provide HD accuracy and can offer watch-lists, email alerts and on-screen alarms.

Benefits of ANPR:

- Increased gatehouse efficiency
- Visual warnings of known perpetrators
- Control of unauthorised vehicle parking
- Means of logging all vehicles entering / leaving a location

Options include:

- Optimisation for all light conditions
- HD colour day/night view
- Security enclosure
- Up to 30m range
- Pole, wall and pedestal mounting
CCTV Command & Control is a highly flexible and scalable video surveillance solution for the monitoring, management and control of remote video, audio and alarm streams in an all IP environment.

2020 CCTV Command & Control is ideal for police forces, border control, government departments, traffic management departments, security companies and private corporations who are looking for a comprehensive solution to meet their video surveillance needs.

2020 CCTV Command & Control platform has a suite of modules that can be combined to meet specific requirements. Modules such as the Operator Workstation, IP Video Wall, Video Management System, and Detection & Tracking integrate with our analogue or digital PTZ cameras and wired or wireless network to deliver a feature-rich video surveillance solution for today that is upgradeable for the future.

Our Command & Control can be scaled to support any number of cameras, DVRs, control rooms and operators and has multiple redundancy and security level options.

Our comprehensive IP-based video security & surveillance solution key features include;

- Wired or wireless CCTV camera backhaul
- Fully scalable to support and control thousands of cameras
- Agnostic to connection type (wired/wireless)
- Two-way audio, broadcast
- Local or remote recording and viewing
- Hierarchical multi-layer management system for local, regional and national command and control
- Object detection and tracking module
Access control and visitor management. Swipe cards, proximity tokens, PIN entry keypads and sophisticated biometric devices, systems can be designed around existing hardware to provide an effective solution for a single site, or multiple sites across an estate.

Knowing who is in your facility, where they are allowed to be, and when they are allowed to be there, is essential to a safe, secure and managed environment.

At a time of increased terrorist and criminal threat, insecurity and mutual suspicion the need to impose restrictions on the access of visitors and staff is paramount in many organisations. A plethora of valuable equipment, the possibilities of pilfering, the ease of copying and stealing confidential information and personal safety, makes Access Control a powerful asset.

Access Control Systems are the most efficient method of monitoring activities and limiting/permitting movement across your facility and premises, and even to access IT equipment and valuable data. They can provide a wealth of management information for security, Health and Safety and Human Resources, aiding with accountability and good governance, in light of pervasive regulatory compliance.
2020 Vision specialise in providing professional accredited consultancy, installation, maintenance and training for a wide range of Access Control and visitor management systems. From entry-level to fully networked enterprise solutions to provide an effective solution for a single site, or multiple sites across an estate.

We utilise a variety of reader technologies – swipe cards, proximity tokens, telephone entry systems, PIN entry keypads and sophisticated biometric devices. Using Smart card technology, we can extend the use of Access Control into cashless vending, car park charging etcetera. 2020 Vision’s systems can be designed around existing hardware or alternatively, we can provide a full turnkey solution including traffic barriers, bollards and electric gates.

A professionally implemented Access Control system from 2020 Vision will provide you with improved security for the individual and better protection of property and possessions. It will deliver accurate management information about movement in, out or around a facility giving greater management control for an organisation, promoting effective balance between freedom of access with the safety of staff and visitors.

When integrated with other security technologies Access Control becomes a truly powerful site management tool. 2020 Vision specialise in providing professional accredited consultancy, installation, maintenance and training for our comprehensive IP-based video security & surveillance solution.

Key features include:

- Access control systems and components
- Access control applications
- Latest legislation and industry standards
Remote Video Monitoring & Response Service
Essential support services to monitor intruder alarms and CCTV systems

Detect genuine incidents of forced entry, unauthorised access and personal attack. Remote Video Response (RVR) raises the effectiveness of CCTV to a new level by having your CCTV cameras remotely monitored.

2020 Vision specialise in providing professional accredited consultancy, installation, maintenance and training for:

- Monitoring systems and components
- Monitoring applications
- Latest legislation and industry standards

CCTV cameras operate in this area
Preventative maintenance is crucial in keeping your security system compliant and effective. A range of servicing and maintenance packages are available, and in some cases essential in order to verify that your system is adhering to the latest Home Office and Data Protection guidelines.

Preventative maintenance is crucial in keeping your security system compliant and effective. 2020 Vision offer quarterly maintenance visits, carried out by highly skilled engineers, to ensure the effectiveness and prolonged durability of your system.

Experience has taught us that any security equipment is only as good as those operating and managing it. Our engineers work with clients to ensure a seamless transfer to full stewardship and project ownership with ongoing maintenance support. That’s why we created our innovative maintenance packages 2020 Smart Cover and 2020 Smart Cover Partner.

We pride ourselves on ensuring that all members of our team are highly qualified, highly motivated individuals sufficiently experienced in the specific tasks allocated to them – our customers can relax in the knowledge that the work carried out for them will be installed and maintained to the highest degree.

Every one of our installations is backed up by an extensive maintenance package. Without maintenance even the most effective equipment will deteriorate, so it is vital that a qualified engineer carries out regular inspections. This will ensure your equipment meets current health and safety standards and will also help to prevent future failure or faults maximising the life cycle of the equipment.
2020 Smart Cover
A standard package comprising of 1 or 2 preventative maintenance visits per annum at which time the whole system will be reviewed and a written report submitted detailing the condition of the system. There is also continuous access to our engineer call out facilities on a 24/7 basis.

2020 Smart Plus
This is our comprehensive maintenance package. Available for 1, 2 or 4 preventable maintenance visits per annum. Our quoted annual amount is inclusive of the Preventative maintenance visit(s) including cherry pickers etc. Call outs as required including all height gain equipment, replacement parts and repairs.

Under this contract the only services charged for are those that result from an “act of God”, Vandalism or customer error.

2020 Smart Cover
This allows 2020 Vision to offer bespoke packages to suit our individual client’s requirements. For example it is often requested that we include call out labour but charge for parts.

2020 Smart Cover
A fully managed service providing a highly bespoke package. It is designed to be an ‘open book’ type of cover in which we actually manage the ongoing technical operation of the client’s system.

In order to further these ideals, Peter Houlis, 2020 Vision’s Managing Director, is a member of the Security Systems & Alarms Inspection Board and is their representative on the British Standards Institute Technical Committee responsible for writing CCTV standards for Europe. Furthermore, he has advised on NVQ qualifications for CCTV installation and maintenance.

Consultancy & Vulnerability Assessment - 2020 Vision

A knowledgeable team of security professionals understands that the first step to designing a security system to fit our customers’ need is to provide a full vulnerability assessment.

The assessment provides engineering recommendations for the technology and vendor selection needed to encompass a solution to fulfill the customers’ requirements. Our trained professionals are up-to-date on the latest governmental security requirements and initiatives.

It is widely recognised that the UK is one of the world’s most advanced countries when it comes to CCTV, and we are at the forefront of selling this expertise overseas.

Access control systems and components
Access control applications
Latest legislation and industry standards
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Access control systems and components
Access control applications
Latest legislation and industry standards
Network Video Surveillance Systems & Converged Security Solutions to secure the safety of people and places, to remotely monitor property and facilities.

Recognising that our clients benefit from a multi-disciplinary security consultancy service, 2020 Vision is a pro-active organisation, striving to provide knowledge, expertise, innovation, enthusiasm and value-added solutions for any project or client requirement.

No project is too large, too small, too simple or too complex. Each client receives concentrated individual attention by a suitably qualified project team, to address customer specific requirements.

2020 Vision is recognised as a leading consultancy in the field of acquiring, operating, improving and maintaining CCTV and security systems. Many public and private sector organisations and business have benefited from our experience and expert knowledge;

Government & Local Council authorities  
National utility companies  
National Heritage & Independent country estates  
Town Centres  
Road and Rail Networks  
Universities & Schools  
Car Parks and public amenities  
Hotels and Hostels  
Hospitals & Healthcare  
Leisure & Entertainment  
Retail Parks and In-store  
Business Parks and Industrial Zones  
Airports, Train & Bus Stations  
Organisations ranging in size from multinationals to SME’s

“We required a bespoke installation, borne out of the necessity to have numerous and diverse CCTV feeds into a new central Force Communications Centre. This was by no means an easy system to design, due to five local authorities having different matrices requiring integration to inter-communicate. It is in our opinion that 2020 designed a truly innovative system, which has more than achieved the desired objectives of Lothian Borders Police.”

Detective Sergeant – Ian Lusk  
Lothian & Borders Police
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