

Product Catalogue 2016

Vision beyond boundaries



TeleEye Family







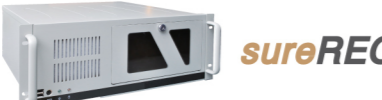





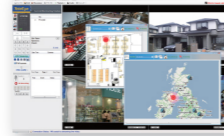

	IP	Analogue
Cameras	   SMAC-M, H.264, Hacker Resistant, ONVIF Profile S, Alarm Verification, HD 1080p, Day / Night, H.264	  HD 1080p, AHD, PAL NTSC, 700 TVL, PAL NTSC
DVRs	   SMAC-M, Hacker Resistant, ONVIF Profile S, Duplicate Recording, Alarm Verification, HD 1080p, 32 Channels, RAID 5, ONVIF Profile S, HD 1080p, Hacker Resistant, H.264, 3MP, HD 1080p	   SMAC-M, Hacker Resistant, Alarm Verification, Internet Viewing, Duplicate Recording, WD1, SMAC-M, Shock Proof, 4G, Alarm Verification, WD1, AHD, Hybrid, HD 1080p
Video Management Software	   24/7 Live Monitoring, Video Analytics, 24/7 Alarm Verification, BS8418, Remote Surveillance, iOS, Android	

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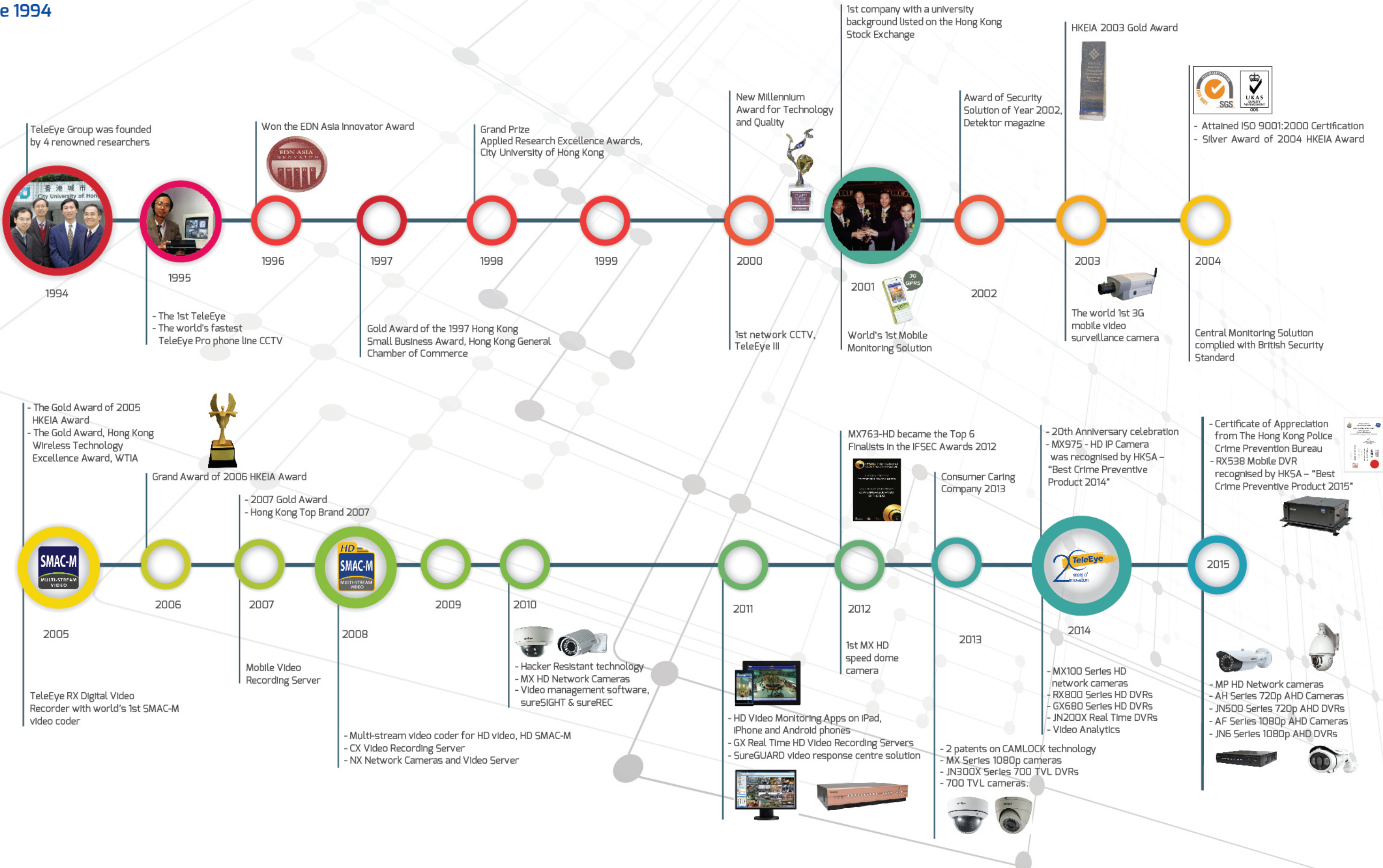
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Pioneer in Video Surveillance

since 1994



Global Expertise

our extensive distribution network is dedicated to satisfying the individual needs of all our customers and various markets.

TeleEye Group provides support and expertise via 9 worldwide offices, and established distribution channels covering over 50 countries. TeleEye offers an extensive product range at a leading-edge of technological development and excellent quality in order to fulfil the requirements of complex and challenging projects around the globe. As a renowned pioneer, TeleEye has launched remote video transmission products and mobile monitoring solution initiating the shift from conventional man guarding to digital surveillance. TeleEye provides technical advice, customisation and consulting services to video surveillance projects in many countries and across various industries such as banking, aviation, telecommunication, retail and logistics.

UNITED KINGDOM



CHINA



BANGLADESH



TURKEY



HONG KONG



SRI LANKA



PHILIPPINES



SOUTH AFRICA



MALAYSIA



Wind Turbine Ireland



Retail Management Hong Kong & China



Bank ATM Turkey



Hotel & Resort UK



Solar Energy Farm South Africa



Cellular Tower South Africa



Airport Malaysia



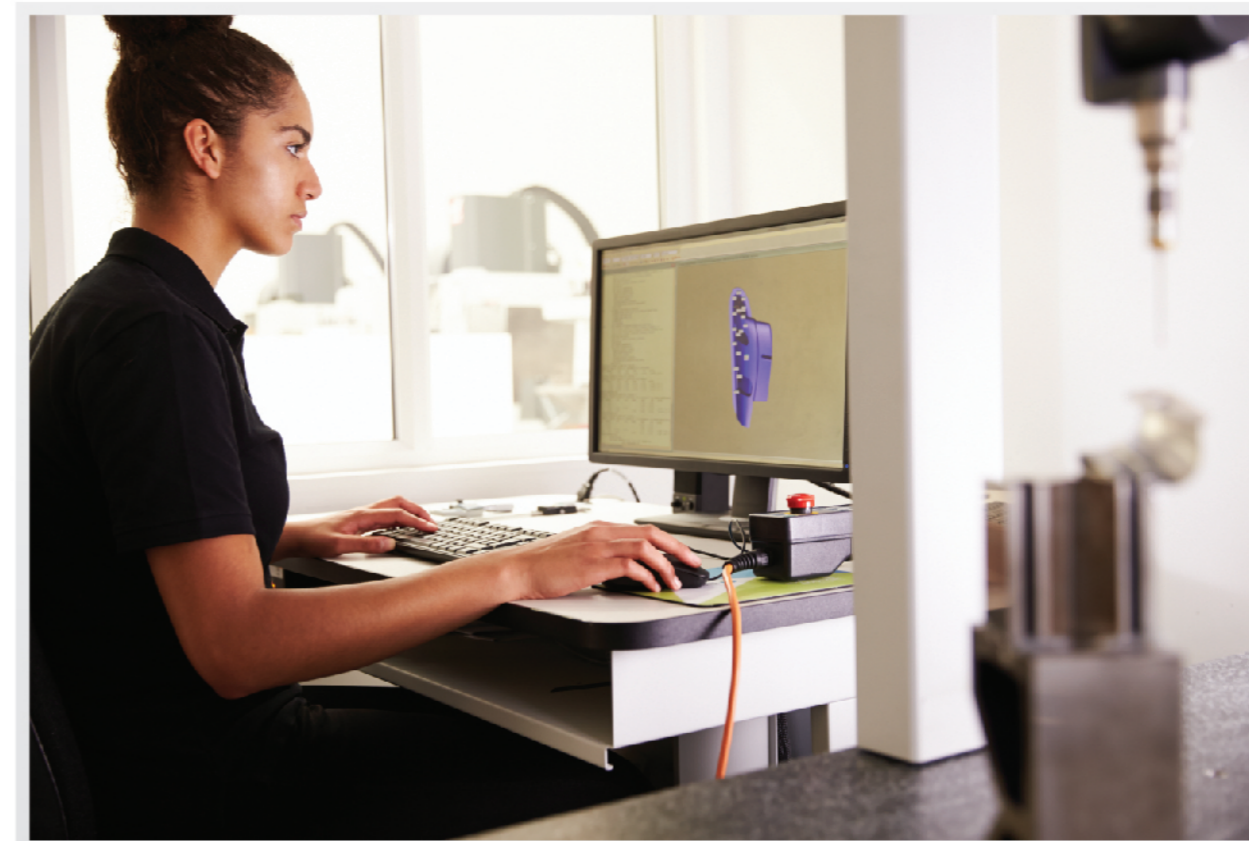
Mega Mall Philippines



Research & Development

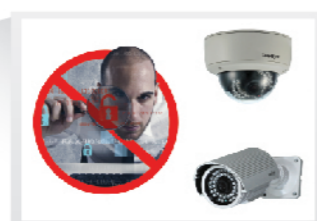
our highly skilled and professional workforce aims to bring you the most professional, state-of-the-art and advanced security solutions.

TeleEye Group was founded by a team of engineering professionals, who specialised in signal processing, telecommunications, the development of digital video surveillance equipment and innovative technologies. The R&D team continues to drive the market with breakthroughs in CCTV technologies while satisfying different project requirements. TeleEye systems are now widely used within multi-national corporations, government departments, public utilities, retail and banking industries.



HD SMAC-M

The first multi-stream video coder for HD video which outputs 4 optimal and independent digital video streams. It compresses video data up to 50% smaller in size compared to H.264*



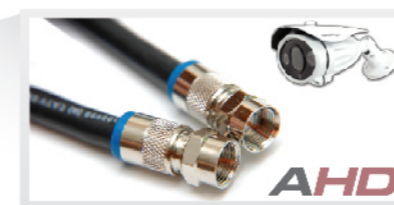
Hacker-Resistant IP Cameras

Five layers of protection, providing extra security during Internet transmission, prevents decoding and unauthorised access to live video footages.



Secured DVR with Open Standard

Secured DVR design which works with TeleEye cameras and ONVIF Profile S cameras, providing extra protection on the video data for safer transmission at any public network.



Analogue HD

Contemporary and versatile DVRs and cameras to provide a simple yet hassle free solution to upgrade from SD to full HD quality.



Video Analytics

For a smarter and more effective surveillance system with added insight to video surveillance and enhances manned or unmanned operations 24/7.



Control Centre Solutions

Adaptable and highly scalable design, suitable for industries managing multiple-sites simultaneously and provides high level security consistently.

* Data quote from Secutech Camera Excellence Award 2011; Compression rate depends on actual scene under measurement and different results may be obtained due to motion or scene changes.

Unified Video Management Platform

Video Management software

In the video surveillance industry, the increase in demand for flexibility and scalability has seen a rise in users' seeking efficient and robust solutions for a wide range of applications.

In order to fulfil a variety of applications and user requirements, video surveillance products are constantly being developed for enhancing current or new video surveillance systems. As different surveillance technologies and application data may not be compatible, therefore resulting in irregular performances can be problematic for users. Users will have to either integrate the new and existing surveillance equipment together or overhaul the whole system. The latter option would not be cost effective or efficient, as the users will have to re-learn and adapt to the changes.

Although new TeleEye products are constantly introduced and upgraded, TeleEye's unified video management platform comprises of TeleEye sureSIGHT, sureGUARD and iView HD, value added modules and technology that have been deliberately developed so that they can be applied across the products, ranging from IP based, conventional analogue and AHD systems. Apart from recording and surveillance, TeleEye's unified video management platform also provides a number of value added modules which benefit a variety of applications such as video analytics for airports and open spaces and text overlay features on ATM Interfaces for the banking industry.

The TeleEye unified video management platform incorporates all TeleEye products and software into a complete end-to-end solution with flexible, efficient and seamless performances.



sureGUARD

Event Driven Solution



sureGUARD Event Driven Solution is a key component of TeleEye Video Management Centre Solution. It is a professional video alarm management solution for Remote Video Response Centre (RVRCs) or central monitoring stations. It fully complies with British Standard BS8418 for remote monitoring of detector activated CCTV systems. sureGUARD allows multiple operators to handle a large volume of video alarm events from up to 5000 sites in 24x7 operations. Many built-in features facilitate speedy visual verification and greatly improve the efficiency of operators.

Features

- Designed for visual alarm verification applications
- Swift and precise responses
- Built-in redundancy and purposely designed for 24x7 operations
- Excellent traceability in event and operational logs
- BS8418 compliant

Value-added Modules (For sureSIGHT & sureGUARD)

siteMAP

- Interactive multi-layer hierarchy
- Manage sites, position cameras and verify alarms
- Indicate current event status

siteMATRIX

- (only for sureSIGHT Pro & sureGUARD)
- Perform digital video matrix function
- Designed for video wall applications
- Scale up to 80 cameras

siteCHECK

- Allow operators to ensure every single site can be connected properly

sureSIGHT

Live Monitoring Platform

sureSIGHT is an integrated video management platform for IP cameras and digital video recorders. It is suitable for managing and monitoring hundreds of cameras simultaneously in large-scale operations and multi-site management.

Features

- Designed for live monitoring applications such as street surveillance, traffic monitoring & shopping mall security
- Highly scalable design to cater for different applications needs
- Simultaneous live monitoring of up to 64 videos
- Video matrix displaying up to 400 cameras on video wall
- Seamless compatibility with TeleEye analogue and HD products.
- Video analytic functions
- Support ONVIF cameras

sureSIGHT Lite

- Single-workstation Solution
- Capable of displaying up to 25 live cameras
- Monitoring multiple sites simultaneously

sureSIGHT Business

- Single-workstation Solution
- Capable of displaying 64 live cameras and 16 event driven cameras simultaneously
- Suitable for small to medium installation

sureSIGHT Pro

- Multiple-workstation Solution
- Allow multiple operators to manage large number of cameras and video servers
- Suitable for medium to large installation



iView HD

Mobile Video Monitoring Software

TeleEye iView HD are the video surveillance apps for iPhone, iPad and Android devices. This allows users to remotely monitor their sites and businesses from anywhere at any time. As TeleEye video recording servers and network cameras provide an independent video stream for mobile channels, you can obtain high quality video on your iPad, iPhone and Android devices. The users can also control the PTZ cameras and receive alarm events remotely*.

Features

- Mobile apps for video monitoring while you are on the move.
- IOS and Android versions available.
- Live video monitoring
- Telemetry control and playback (For RX, GX only)



*Available for RX, GX Series digital video recorders

Video Analytics

Gain insight to surveillance video

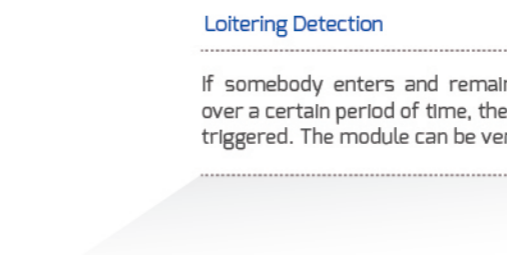
The sureSIGHT platform offers four functional modules for satisfying different surveillance needs. TeleEye Video Analytics Solution is designed to make the surveillance system even smarter and more effective. This powerful capacity enhances both 24/7 manned and unmanned operations.

TeleEye Video Analytics works for both analogue and HD technology. All TeleEye GX, MX and RX devices are supported. This new feature is software-based and does not require any hardware updates.



Intrusion Detection

With intrusion detection you can mark the area of intrusion and as soon as somebody is detected in passing through this area the alarm is triggered. This application can be well used in military field or restricted areas.



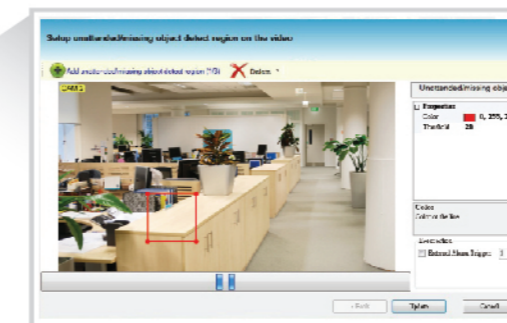
Loitering Detection

If somebody enters and remains in the marked area over a certain period of time, the alarm is automatically triggered. The module can be very well used by banks.



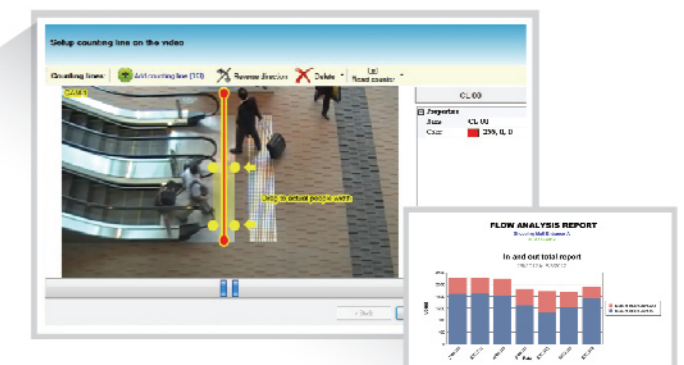
Unattended / Missing Object Detection

If an object is left alone for a predefined period of time or removed from the picture, the alarm will be triggered. This functionality can be used to detect illegal parking, or vehicles staying too long in certain zones.



Flow Analysis

Flow Analysis can be highly used in retail areas and other open places where crowd management is an issue. Always be up to date with people entering and exiting an area.



HD SMAC-M

High Definition Multi-stream Video Coder

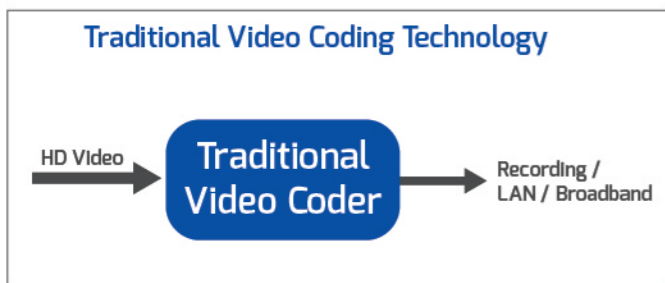
HD SMAC-M is a revolutionary video compression technology developed by TeleEye, for high definition video surveillance and CCTV application. HD SMAC-M is the first multi-stream video coder for HD video in the market that outputs 4 optimal and independent digital video streams instead of a single one. HD SMAC-M compresses better and records 60% longer than MPEG-4. This saves HDD cost and delivers "No Compromise" on both HD video recording and video surveillance functions.



H.264 Video Codec



HD SMAC-M Multi-stream Video Codec



- ✓ Compresses data size up to 50% smaller compared to H.264*
 - Less bandwidth usage
 - Cost efficient

- ✓ Optimised recording and transmission performance
- ✓ Smooth at LAN, broadband and mobile networks
 - Crystal clear images

*Data quote from Secutech Camera Excellence Award 2011; Compression rate depends on actual scene under measurement and different results may be obtained due to motion or scene changes.

Hacker Resistant Technology

The majority of IP cameras available on the market are designed based on open standards, meaning their architectures are available on the Internet for all to access. Whether it's at home, in the office or in a shop, if you are using an IP camera then your video footage is at risk of being viewed by an unauthorised third party without your consent or knowing.

The TeleEye Hacker Resistant technology is incorporated into a range of TeleEye cameras and DVRs. TeleEye Hacker Resistant technology comprises of five layers of anti-hacking protection which are designed to prevent hackers from extracting confidential video data from your security camera, giving users a peace of mind.



01 Secured Protocol

TeleEye has developed special video streaming protocols that provide extra security during Internet transmission. TeleEye proprietary protocols, Hackers are not able to decode the captured data streams, as the TeleEye proprietary protocols are strictly confidential and inaccessible by unauthorised parties.

02 AES-256 Encryption

TeleEye encrypts critical data using AES 256 bit encryption technology. The superior encryption design prevents hackers from understanding the data delivered through open platforms



03 Pair Matching



TeleEye hardware and software applications have individual identities to match with each other. Only a valid registered pair can log on to perform video surveillance functions. In other words, other customer's non-registered TeleEye software is prohibited from gaining access to your security video systems.

04 IP Filtering

IP filtering restricts users only with designated IP addresses to gain access to your security camera network, whilst other unauthorised IP addresses are warded off automatically.



05 Proprietary Video Coder

TeleEye's HD SMAC-M video compression technology protects visual data in a proprietary format that are not known to the public. This makes it hard for hackers to crack TeleEye video streams even if access to your video network is seemingly compromised.

TeleEye Provides Security From Afar

Securing Renewable Energy Resources Around The World

Security management and monitoring tends to be a challenge for renewable energy farms, where valuable apparatus including wind generators and solar panels are scattered over a large geographic span. It is indispensable to have a robust and reliable CCTV system for ensuring that these remote spots are securely monitored. TeleEye, a supplier of advanced video surveillance solutions has identified this opportunity and is able to offer a range of total security solutions. A couple of recent examples include a Wind Energy Farm in Ireland and a Solar Energy Farm in South Africa.



Central Monitoring - Active Protection

TeleEye surveillance solution is applied for a high profile Irish Wind Farm project. "Previously security staff had to be delegated on site in order to monitor and manage all the wind turbines. Now with the installation of cameras and verification alarms across these sites, TeleEye Response Centre solution enhances their existing security. The security staff are relocated to Dublin, where they are able to carry out **off-site monitoring and actions which are saved in a central logging system automatically and traceable when required,**" said Venkata Adapa, Technical Sales and Support Manager of TeleEye Europe. "With TeleEye security solution, operators will be alerted once there are events triggered by external alarm sensor, video motion, power interruption and tamper. This not only provokes a **faster response and prevents criminal activities** from happening but also **reduces loss and damage** in comparison to traditional security solutions. Operators can **verify the alarm images that are being captured before, during and after an event, to reduce false alarms or extract video data as evidence** if required. This has become a much more efficient method of saving operational and management costs. This solution can also be applied to companies that similarly have assets stationed in remote areas." TeleEye sureGUARD Video Response Centre solution complies with the **professional code of practice BS 8418**, giving the customer a credibility of remote monitoring and visual alarm verification solution to their central monitoring station.



Save Bandwidth - Save Operating Costs

Additionally a Solar Farm in South Africa has chosen TeleEye Integrated Video Management Solution for monitoring and surveilling across two major solar plants in the Northern Cape Province. "TeleEye sureSIGHT Business **enhances the monitoring process with 64 live cameras and 16 event driven cameras simultaneously,**" said Oliver Butchart, Key Account Manager of TeleEye South Africa. "With the remoteness of these sites, the only reliable connection is satellite. It is extremely costly for the operator to stream video footages and carry out remote monitoring at the same time. With TeleEye HD SMAC-M multi-stream video codec engineered into our network cameras, provides the **best resource for video recording, viewing and streaming at various network capabilities, so less bandwidth is used.** This is the most **cost effective approach without having to compromise on either video streaming quality or recording performances.** With TeleEye HD SMAC-M, it gives management an additional option to further enhance their security system. Such as adopting remote monitoring, whereas it would be out of the question if they have to rely on satellite data."



Efficient Operation - Begins with an Effective Solution

TeleEye is able to provide an end-to-end solution in addition to alarm based monitoring. Meaning a more efficient and cost saving option is available. No matter where sites are located, assets are not immune to the vulnerabilities of global threats. **Security reliability and confidence** is even more crucial for sites in remote locations under harsh environments. TeleEye provides professional surveillance solutions to reassure customers by **effectively enhancing each level of security for every site, regardless of their size or condition.**

IP Based HD Video Surveillance Solutions



- Crystal clear HD video: 720p, 1080p and 3MP
- Hacker Resistant - 5 levels security protection
- HD multi-stream compression: HD SMAC-M
- Faster transmission and longer recording
- Optimised multi-streaming performances
- Easy installation with patented CAMLOCK technology
- Support ONVIF Profile S IP cameras
- Unified Video Management Platform



HD Digital Video Recorders

GX680 Series

HD Digital Video Recorders

TeleEye GX680 Series is a new generation of HD digital video recorders. It has a range of 4-, 9- and 16-channel models, which are specially designed for faster transmission, hacker resistance, securing all TeleEye's network cameras and other ONVIF Profile 5 cameras.

All GX models support real-time HD recording up to the maximum frame rate of 480fps at 1080p resolution. Incorporated with TeleEye HD SMAC-M multi-stream video coder which compresses video data up to 50% smaller compared to H.264* so that recording, local displaying and network viewing performance are optimised.



Benefits



Faster Transmission
Longer Recording



Hacker Resistant



Securing Your ONVIF Cameras

Models

Model	Description
GX684	4-Channel 1080p HD Digital Video Recorder, Max. Recording Rate 100/120fps, B58418 Compliant, Supporting ONVIF Profile 5 Cameras
GX689	9-Channel 1080p HD Digital Video Recorder, Max. Recording Rate 225/270fps, B58418 Compliant, Supporting ONVIF Profile 5 Cameras
GX6816	16-Channel 1080p HD Digital Video Recorder, Max. Recording Rate 400/480fps, B58418 Compliant, Supporting ONVIF Profile 5 Cameras
GX-ONVIF-1	1-Channel ONVIF License for GX680 Series HD Digital Video Recorder

* Data quote from: Secutech Camera Excellence Award 2011; Compression rate depends on actual scene under measurement and different results maybe obtained due to motion or scene changes.

sureREC

HD Recorder

The Windows-based TeleEye sureREC HD Recorder is designed for projects requiring video data running through an existing networking facility. It supports recording and monitoring of 32 MX cameras at a maximum recording frame rate of 800/960fps at HD resolution. It is a PC-based platform which is pre-installed with TeleEye sureREC recording software and pre-configured with the Windows' Group Policy to restrict unnecessary access of the system and ensure the best environment for professional recording applications.

The storage capacity can be further expanded by using external attached storage devices with RAID 5 data redundancy structure. The system's health check function ensures robust 24/7 operations for professional video surveillance requirements.



Benefits



RAID storage



Supporting 32 Cameras



Securing Your ONVIF Cameras

Models

Model	Description
sureREC-HDR-16	16-Channel Windows-based HD Digital Video Recorder, Max. Recording Frame Rate: 400/480fps
sureREC-HDR-32	32-Channel Windows-based HD Digital Video Recorder, Max. Recording Frame Rate: 800/960fps
NAS-8	8-bay Network-attached Storage, RAID 5
NAS-12	12-bay Network-attached Storage, RAID 5
HDS3000GB	3000GB SATA HDD for RAID Storage
HDS4000GB	4000GB SATA HDD for RAID Storage

VN Series

HD Digital Video Recorders

TeleEye VN Series HD digital video recorders consist of 8 and 16 channel models, capable of recording video data at up to 3 megapixels and supports up to 400/ 480fps with H.264 video compression format. Events are captured in the highest quality including the finest details, making the retrieval and identification process speedier and easier.

Each model is equipped for 24/7 recording, as data can be recorded and retained for a longer period of time. With TeleEye's Unified Video Management Platform, the VN DVRs can provide the best performance and greater system flexibility for different IP video surveillance applications and industries such as the financial, retail, transportation and government sectors.



Benefits



Excellent Quality Video
Up to 3MP



Powerful Storage
Prolonged Recording

Models

Model	Description
VN208	8- Channel 3MP HD Digital Video Recorder, Max. Recording Rate 200/240fps, 2 Internal SATA
VN216	16- Channel 3MP HD Digital Video Recorder, Max. Recording Rate 400/480fps, 2 Internal SATA
VN316	16- Channel 3MP HD Digital Video Recorder, Max. Recording Rate 400/480fps, 8 Internal SATA

HD Network Cameras

TeleEye HD Network Cameras consist of the MX, MQ Series and MP687-HD IR speed dome. These cameras satisfy a number of different requirements and applications such as vandal resistant and weatherproof features, making them the ideal choice for 24/7 surveillance, for outdoor and harsh environments.

The TeleEye MX and MQ Series are a range of high performance cameras that deliver HD images at a 1080p resolution. TeleEye HD SMAC-M multi-stream video compression technology which compresses better than H.264 to save bandwidth for longer recording without compromising on image quality is also incorporated. However the MX, MQ Series and MP687-HD can also support H.264 format which is a common tender requirement. The MX and MQ Series can be added to any existing system which is compatible with the ONVIF interface. As a whole, TeleEye MX, MQ Series and the MP687-HD all work seamlessly with the TeleEye GX Series of HD DVRs and the versatile range of TeleEye video management software to form a complete end-to-end HD surveillance solution.

With security concerns in mind, in order to maximise the security level for video data and different operating environments, the Hacker Resistant Technology is incorporated into the TeleEye MX and MQ cameras. As for the MP687-HD, once integrated with the GX Series, the video data captured by the MP687-HD is also fully protected.

MP687-HD

HD 1080p IR Speed Dome

TeleEye MP687-HD is a 20x high definition IR speed dome incorporating H.264 video codec at 1080p HD resolution.

The powerful 20x optical zoom ensures that you can see even the smallest details with ease. The PTZ presets, allow users to precisely adjust the camera's view and monitor specified areas along predefined paths.



Features

- HD 1080p
- 1/3" Progressive CMOS sensor, 30fps
- Optical zoom: 20x
- ~100m IR illumination range
- Presets, Patrols, Patterns
- Day/ night mode.

MX100 Series

1080p Flagship HD Network Cameras

Common Features

- HD 1080p, 25/30fps
- 1/2.8" Sony Exmor CMOS sensor
- Dual compression: HD SMAC-M and H.264
- 4 video streams with independent recording stream
- Excellent video streaming performance
- Hacker Resistant
- Excellent low light performance
- Auto WDR function
- ONVIF mode
- Power over Ethernet – IEEE 802.3af
- Public access mode



MX110E-HD Compact Fixed Dome

- f=4.2mm fixed lens
- 0.1 Lux @ F1.0
- Micro SD card slot (SD/SDHC/SDXC supported)



MX121E-HD IR Fixed Dome

- f=4.2mm fixed Iris lens (6mm lens optional)
- ~10m IR illumination range
- IP66 weatherproof and vandal resistant
- Bi-directional audio support, relay switch
- Micro SD card slot (SD/SDHC/SDXC supported)



MX125E-HD IR Vari-focal Dome

- f=2.8-10mm Vari-focal Auto-Iris IR lens
- ~20m IR illumination range
- True day & night operation with auto IR-cut filter
- IP66 weatherproof and vandal resistant
- Micro SD card slot (SD/SDHC/SDXC supported)
- Bi-directional audio support, relay switch



MX151E-HD IR Fixed Bullet

- f=4.2mm fixed Iris lens (6mm lens optional)
- ~15m IR illumination range
- True day & night operation with auto IR-cut filter
- IP66 weatherproof



MX175E-HD Outdoor IR Vari-focal Bullet

- f=4.2-10mm Vari-focal Auto-Iris IR lens
- ~20m IR illumination range
- True day & night operation with auto IR-cut filter
- IP66 weatherproof

MQ Series

HD Network Cameras

Common Features

- HD 1080p, 30fps
- 2MP
- 1/2.8" Sony CMOS sensor
- Dual Compression: H.264 and JPEG
- Electronic shutter: Automatic/ Manual
- WDR
- ONVIF
- 4 Privacy Masks



MQ210E-HD Fixed Dome

- f=3.6mm
- Min illumination: 0.05 Lux
- IP65 weatherproof
- PoE



MQ211-HD Vandal resistant Vari-focal Dome

- f=2.8-12mm
- Min illumination: 0.05 Lux
- Vandal resistant



MQ225E-HD IR Vandal resistant Vari-focal Dome

- f=2.8- 12mm
- Min illumination: 0.0 Lux
- 24 IR LEDs / 20m IR range
- Vandal resistant
- IP66 weatherproof
- External alarm, recording, & email output
- PoE



MQ231-HD IR Fixed Dome

- f=3.6mm
- Min illumination: 0.0 Lux
- 24 IR LEDs / 15m IR range
- IP65 weatherproof



MQ251E-HD IR Fixed Bullet

- f=3.6mm
- Min illumination: 0.0 Lux
- 36 IR LEDs/ 20m IR range
- IP66 weatherproof
- PoE



MQ275E-HD IR Vari-focal Bullet

- f=2.8-12mm
- Min illumination: 0 Lux
- 2 IR LEDs/ 25m IR range
- IP66 weatherproof
- External alarm, recording & email output
- PoE

TeleEye Diversifies Bank Security

Safeguarding People, Assets and Investments

Banks confront many challenges such as different security problems within branches, ATMs and cash-in-transit vehicles and overhead expenses. TeleEye is a reliable and effective security solution that not only provides high quality images, but also prevents crime and card fraud. Up until this point, many major multi-national banks have entrusted TeleEye video surveillance solutions to safeguard their people, assets and investments across different locations.

Secure Network Connection

CCTV footages often contain confidential information such as personal data, passwords, and sensitive documents; therefore video data and network security are of great significance when it comes to developing a robust CCTV system. Experts at TeleEye, have specially created a Hacker Resistant technology that is incorporated in the GX recorders. This powerful system is able to separate the video network from an IP network during transmission. Meanwhile, video data captured by both TeleEye and ONVIF network cameras are fully protected, thus securing the banks' video data.



Lower Investment, Higher Returns

The recorders incorporated with TeleEye SMAC-M multi stream video coding technology, can output 5 optimal and independent digital video streams. As the video data is compressed to a smaller size, less bandwidth is required. This saves operational costs, provides faster and smoother data transmission for real time monitoring with crystal clear images. As the data can be viewed at a higher quality with minimal delays, operators can identify and react to threats immediately; hence less manpower is required to monitor the ATMs, branch offices and business centres.

Safe and Private Self-Service Transaction

The threats of ATM security have been significantly reduced by installing the TeleEye systems. "TeleEye recorders acquire the transaction data from the ATMs and synchronised them with the video footages to create a text overlay with the transaction numbers, date, time and bank card numbers. With this text overlay feature, all CCTV footages can be searched by the card numbers and easily verified. It makes it easier and quicker to analyse the footage to detect suspicious transactions or activities, and assist in fraud investigations," explains Mr. Nevin Ho, Engineering Director of TeleEye Group.



Cash- In- Transit Security

TeleEye RX538 Series of Mobile DVRs are professionally designed for securing transit vehicles security and fleet management. When low latency and unreachable fixed networks are a concern, the RX538 incorporated with TeleEye SMAC-M operates on 3G/ 4G mobile networks to support real time monitoring and recording. In case of heist threats, the drivers can trigger an alarm and send a seamless video from the DVR back to the central monitoring station. Additionally the RX538 can also be used for preventing against unauthorised access and prohibiting any direct access by the drivers to the cash vaults as they can only be unlocked remotely from the head office via a switch function on the DVR.

Centralised Management - Instant Event Handling

TeleEye sureGUARD is a response centre solution that offers end-to-end alarm management for multi-site industries and complies with the BS8418 standard. When an event is triggered by an alarm sensor, operators will be informed immediately by an automatic dial-back to the central monitoring station and respond swiftly. This provides a reliable and comprehensive solution, safeguards against accidents and malicious activities. TeleEye's, user friendly hi-tech hardware and sophisticated software solutions make extensive supervision manageable and cost efficient.



Analogue Based HD Video Surveillance Solutions



HD 1080p
Simplest Way to Upgrade to HD Surveillance
Long Reach Up to 400m
Instant Video Response
Versatile Range of Video Management Software
AHD & SD Switchable
Analogue and IP Recording



Analogue HD Solutions

The Simplest Way to Upgrade from SD to True HD

TeleEye has developed the contemporary 1080p Analogue HD (AHD) solutions. The TeleEye AF Series of AHD 1080p cameras and JN6 Series of AHD 1080p DVRs. A common problem experienced during the transition from SD to HD, is that often the whole surveillance system has to be overhauled. This process tends to cause extra costs and disruptions to the daily surveillance operations. Therefore TeleEye 1080p AHD solutions are designed to overcome these problems.

TeleEye AHD not only supports videos at 1080p HD resolution but also at WD1 resolution, making it capable of backward compatibility. By just replacing the original SD cameras and recorders, users can easily upgrade their existing analogue systems to HD through a coaxial cable. Video data is transmitted via the coaxial cables at the distance of 400m. Moreover, coding compression for front-end data is not required; hence TeleEye 1080p AHD Solutions are able to provide real-time viewing and high fidelity.

TeleEye AHD provides a complete solution with the advantages of traditional analogue systems, an ability to upgrade the images to HD and incorporates TeleEye Video Management Software for a scalable solution to suit a diverse range of video surveillance needs.



01 The Simplest Way to Upgrade from SD to True HD

TeleEye AHD provides a simple and hassle free procedure to upgrade from a SD to HD surveillance system. Only the existing cameras and DVRs need to be replaced with the AF Series cameras and JN6 Series DVRs. For certain cameras which are crucial to the existing surveillance system and would be problematic to replace can be retained. The existing coaxial cables do not need to be uprooted and can be used continuously. The system is "AHD and SD" switchable. This eliminates inconveniences and delays to daily surveillance operations.

02 Long Reach, Excellent Noise Immunity

Point to point transmission is used to secure a smooth and reliable image quality. The AF Series cameras can obtain a long distance HD video transmission of up to 400m via the coaxial cables. This allows users to monitor to a much further distance with impeccable quality and minimal noise.



03 Instant Video Response

For real time viewing and high fidelity, the front end data does not require any form of coding compression. The most precise performance is ensured without broken images or delays in the results. This minimizes the chances of operators missing out on crucial details and information.

04 Versatile Range of Video Management Software

TeleEye Analogue HD products are fully compatible with the revolutionary TeleEye video management software. This includes TeleEye sureSIGHT, sureGUARD and iView HD which meet the needs of different users from small, medium or enterprise-sized businesses across different industries.



05 Hybrid Solutions for IP and Analogue Recording

TeleEye JN6 Series of AHD 1080p DVRs provide an alternative for users who are currently employing a mixture of analogue and IP cameras, but do not want to adopt different DVRs to record the images captured by cameras with different signal formats. These DVRs also provide an economical option for those who are considering a transition from analogue to IP at a later period in time.

Analogue HD Digital Video Recorders

JN6 Series

AHD 1080p Digital Video Recorders

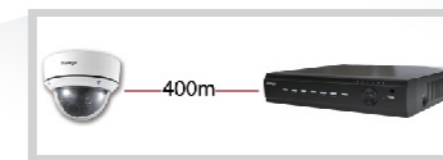
TeleEye JN6 Series is a range of 4-, 8- and 16-channel AHD 1080p digital video recorders, which support recording at 1080p and 720p HD resolution. These DVRs support real-time recording up to a maximum of frame rate of 12/15fps at 1920 x 1080 pixels. By adapting H.264 compression format, TeleEye JN6 Series is designed to fulfill all general video surveillance requirements and more.



Benefits:



The Simplest Way to Upgrade from SD to True HD



Long Reach Excellent Noise Immunity



Instant Video Response



Versatile Range of Video Management Software



Hybrid Solutions for IP and Analogue Recording

Models

Model	Description
JN6204/6208	4/8- Channel Analogue HD Video Recorder, Max Recording Rate 1080p:12/15fps or 720p: 25/30fps, 1 Internal SATA
JN6216	16- Channel Analogue HD Video Recorder, Max Recording Rate 1080p:12/15fps or 720p: 25/30fps, 2 Internal SATA
JN6316	16- Channel Analogue HD Video Recorder, Max Recording Rate 1080p:12/15fps or 720p: 25/30fps, 8 Internal SATA

Analogue HD Cameras

AF Series

AHD 1080p Cameras

Common Features

- HD 1080p
- 1/2.8" Sony CMOS
- Day/ Night 0.0 Lux (IR On)
- Coaxial/ UTP cables distance up to 400m
- 4 privacy masks
- WDR
- Auto noise reduction
- OSD menu, multi-language
- IP66 weatherproof
- AHD & SD switchable



AF284 IR Fixed Bullet

- Fixed Lens f=3.6mm
- 2 IR LEDs/ ~20m IR Range



AF286 IR Vandal resistant Vari-focal Dome

- Vari-focal f=2.8-12mm
- Auto IR-cut filter
- 24 IR LEDs/ ~20m IR range
- Vandal resistant



AF287 IR Vari-focal Bullet

- Vari-focal f=2.8-12mm
- 2 IR LEDs/ ~30m IR Range



AF294 IR Fixed Dome

- Fixed Lens f=3.6 mm
- Auto IR-cut Filter
- 24 IR LEDs/ ~15m IR Range



AF487M IR Mid Range Vari-focal Bullet

- Vari-focal f=6-22mm
- 48 IR LEDs/ ~50m IR Range



AF42M IR Long Range Vari-focal Camera

- Vari-focal f=6-22mm
- 48 IR LEDs, 2 groups of hi-power LEDs/ ~80m IR Range

Analogue Based SD Video Surveillance Solution



- Ultra-high resolution
- Real-time recorders and servers
- Hacker Resistant
- B58418 Compliant
- No Compromise on video transmission and recording
- Wide-range cameras selection
- Dual Compression: SMAC-M and H.264



Analogue Digital Video Recorders

RX800 Series

Professional Ultra-high Resolution Digital Video Recorders

TeleEye RX800 Series is a range of 6-, 12- & 16-channel ultra high resolution digital video recorders designed for professional video and event management applications.

The RX800 series incorporates the revolutionary design Multi-stream Video Coding Technology SMAC-M for video transmission. It delivers a truly "no compromise" approach on both video transmission & excellent recording performance.



Benefits



Recording and Surveillance, without compromise



Hacker Resistant



Reliable Performance and Integrity

Models

Model	Description
RX806	6-Channel Ultra-high Resolution Digital Video Recorder, Max. Recording Rate 150 / 180fps, 4 Internal SATA, BS 8418 Compliant
RX812	12-Channel Ultra-high Resolution Digital Video Recorder, Max. Recording Rate 300 / 360fps, 4 Internal SATA, BS 8418 Compliant
RX816	16-Channel Ultra-high Resolution Digital Video Recorder, Max. Recording Rate 400 / 480fps, 4 Internal SATA, BS 8418 Compliant

A New Era for Property Management

Revolutionising Security for Your Premises

Property management is the operation, control, and oversight of real estates, which includes being responsible for the safety of the client's property. Due to rapid development, the changes create many challenges for the property management industry e.g. manpower shortage and evolving clients' demands. TeleEye provides innovative technologies, comprehensive solutions with contemporary IT infrastructure to revolutionise the industry's operations, in order to improve and stay competitive.

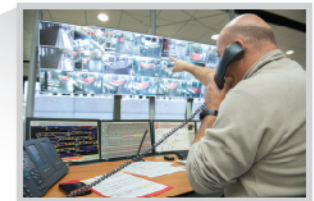
TeleEye Intelligent Property Management Systems consists of video surveillance, alarm management and intercom modules. Together with TeleEye sureGUARD, a more intelligent and sophisticated property management system is put in place.

The CCTV cameras, intercoms and detectors installed throughout the premises can be connected to the TeleEye Intelligent Property Management System. In addition to recording and real-time monitoring, the TeleEye Intelligent Property Management System and TeleEye sureGUARD is designed to respond to the wide range of events triggered by alarm sensors and video motion. The event management mechanisms alert operators and assist in rectifying security threats. These can all be pre-set for different events; allowing operators to instantly respond to incidents, hence initiating a smarter surveillance system for property management.



Instant Response for Unpredictable Incidents

With the use of CCTV surveillance, the security of the premise is enhanced because the operators in the control room can keep an eye on suspicious activities. In unpredictable situations e.g. lift malfunction or access intrusion, the security personnel are able to monitor these areas and when there is a cause for concern the operators and public are able to interact via the intercom and take corrective actions immediately.



Centralised operations – Provides Consistent Customer Service Quality

The quality of service and security is important in property management, so 24/7 surveillance is compulsory. This means longer working hours and the levels of service quality can vary. However with a centralised system in place, the more tedious and time consuming tasks can be eliminated because the key decisions and preventive actions can be made back at the control centre where errors and delays can be reduced. Hence this guarantees a stricter control and a more consistent level of service quality.

Value Proposition – Improves Manpower Utilisation

With TeleEye surveillance solution, the organisation can delegate their resources such as manpower to other areas in order to maximise efficiency and cost effectiveness. The security personnel can be assigned to other roles such as monitoring and addressing unpredictable events. TeleEye provides a smarter and more cost efficient solution for property management.



RX538

Ultra-high Resolution Mobile Digital Video Recorder

TeleEye RX538 is a professional mobile digital video recorder running on 3G and 4G mobile network, which is specifically designed for vehicle security and fleet management. Incorporating proprietary SMAC-M compression technology, it can achieve fast video transmission and greater recording performance up to 200 / 240 fps. TeleEye RX538 is ideal for any mobile or remote applications, where fixed network cannot be reached.

The TeleEye RX538 mobile DVR, completed with a range of TeleEye technology and software, is able to deliver a complete end-to-end security solution ranging from preventative actions to surveillance operations. The RX538 is able to withstand harsh conditions throughout the journeys such as temperature fluctuations from -25°C to 50°C and power fluctuations. No matter what the conditions are outside or within the vehicle the RX538 continues to record smoothly.



Benefits



Recording and Surveillance, without compromise



Hacker Resistant



Reliable Performance and Integrity

Models

Model	Description
RX538	8-Video, 16-Alarm, Max. Recording: 200 / 240fps, Remote Viewing, Mobile Ultra Hi-Res Digital Video Recorder

TeleEye Extensive Monitoring Solution

Effective Remote Transmission and Protection for Valuables in Transit

TeleEye Europe, in partnership with valued distributor Northwood Technology Limited, designed and delivered a security solution providing tighter security and safety measures for Treanor Security Systems Limited (TSS), specialising in cash and valuables transit. TSS operates across a wide range of industries including: financial institutions, the health service, hospitality, property development, county councils etc. In order to deliver an efficient and seamless solution, the deployment of the TeleEye RX500 Series, a high performing mobile video recorders, provides a comprehensive video surveillance solution that plays a key role in creating a safe and secure environment across the entire fleet of 12 vehicles.



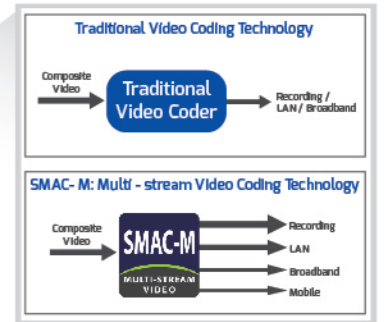
Eliminating Security Risks – Customised Relay Operations

A safe and secure environment for their workforce and the valuables in transit, are top priorities in order to avoid robbery threats. John Treanor, owner of TSS was tasked to source a video surveillance system that would allow the monitoring of their fleet of security vehicles while on the move, together with the added need for real-time transmission and customised relay operations specifically delivering a "panic button" alarm functionality. To guarantee the safety of the valuables within the vaults, the TeleEye RX500 Series of DVRs prevents unauthorised access to the vaults from within the vans. Therefore the ability to turn off the vehicles' ignitions and open the vaults is only authorised by the head office. Moreover this ability allowed TSS to open multiple vaults within the transit vehicles securely, without manual intervention while safeguarding against any disruptions and eliminating security risks. A centralised remote vault access at the Head Office is a compulsory element. These highly secured features would ultimately allow TSS to fully comply with all the necessary standards stipulated by the Private Security Authority (PSA). John Treanor explains "Ensuring the safety of the staff and that the vehicles are running efficiently and effectively are fundamental. It is crucial that we are able to respond immediately and appropriately to any incidents that may occur".



Efficient Video Transmission – TeleEye SMAC-M Video Coding

The installed mobile DVR RX500 series incorporates the TeleEye SMAC-M Video coding technology. This can achieve maximum recording frame rates of up to 100 / 120 fps with faster video transmission. TeleEye RX500 series is ideal for any mobile or remote applications where low latency and unreachable fixed networks are a concern. TeleEye RX500 series operates on a 3G/4G mobile network which is beneficial in a cash transit/mobile fleet environment, allowing for the seamless integration of satellite communications and surveillance for adverse environments and applications. TeleEye successfully addresses the need in safeguarding against the threat of robberies and the protection of valuables in transit. Remotely monitoring their fleet through TeleEye sureSIGHT, an advanced feature-rich software solution. It allows TSS to utilise the sophisticated event management functionality adhering to BS8418 quality standards. Furthermore sureSIGHT enhanced security by allowing users to be assigned varied or strict 'user rights' in accordance to the operators' and users' needs, delivering optimised performance. TeleEye supplies an indispensable and complete end-to-end surveillance solution.



Commitment- Future Proof Technology

John stated "As we continue to add to our branch network, we are committed to using advanced technology to improve on safety and security. TeleEye's professional digital video recorder solutions which is specifically designed for public & commercial transport applications, provides a future-proof system."



Analogue Cameras

TeleEye offers a range of Analogue cameras with high performance for supporting traditional video surveillance systems which are cost effective and easy to install.

DF108X Static Mini Dome

The TeleEye DF108X provides a non-obtrusive design. With a metal casing, a sleek and compact appearance, this mini dome provides discretion and is suitable for indoor applications, where the area is smaller and space is limited e.g. small retail stores and ATMs kiosks. In addition, it is difficult to see which direction the camera is pointing hence thieves will be caught off guard and discourages thieving.

DF109X Vari-focal Dome

The DF109X enables users to see a wider view and more detail, as the aperture of the lens can be adjusted, allowing users to zoom in and out. With the DF109X, the vari-focal lens allows the image to be adjusted to capture the specific area of concern, such as a doorway or cash till. This can be done even if the camera is located across a large room or at a distance. This is beneficial for watching live videos or planning a DVR security camera system to record your images for later.



DF108X Static Mini Dome

- Ultra High Resolution
- 700 TVL
- f=3.6mm Lens
- Min Illumination: 0.1 Lux / F1.2



DF109X Vari-focal Dome

- 700 TVL
- f= 2.8- 12mm
- Auto Iris lens
- Min . Illumination: 0.06 Lux/ F1.2

DM6 Series Professional Hi-Resolution IR Speed Domes

The DM6 Series is a collection of professional IR analogue speed domes. The TeleEye DM665 and DM699 are Infrared speed domes with an effective IR range reaching up to 100m. These speed domes enable users to see up to a further distance and monitor in dark environments or during night times, providing clear and detailed video clarity for round-the-clock surveillance.

These speed domes also adhere to the IP66 weatherproof standard, ensuring that the cameras can withstand harsh weather conditions such as preventing rain water from entering and damaging the cameras' components. With the built in wiper, dusts, mist and water droplets can be removed from the surface of the lens. Combined with the WDR settings, the contrasting bright and dark areas of the captured images are tuned to improve the image quality which allows users to see clearly and prevents elements from being missed. These specifications make the DM6 Series professional and powerful cameras for indoor and outdoor surveillance.



DM665 33X Hi-Resolution IR Speed Dome

- 1/4" CCD
- Powerful 396X zoom ; Optical : 33X, Digital : 12X
- Resolution : 550 (Day) / 680 (Night) TVL
- 255 presets, 6 patrols, 4 patterns
- IR Distance: 100m
- IP66 weatherproof standard
- OSD menu
- Wiper

DM699 36X Hi-Resolution IR Speed Dome






- 1/4" Sony CCD
- Powerful 432X zoom ; Optical : 36X, Digital : 12X
- Resolution : 480 (Day) / 550 (Night) TVL
- 255 presets, 6 patrols, 4 patterns
- IR Distance: 100m
- IP66 weatherproof standard
- OSD menu
- Wiper

Models







Model	Description
DM665	Outdoor Wall Mount, Day/ Night, 550/680 TVL, 0.0 Lux, Zoom: Optical 33x , Digital: 12x, 255 presets, OSD, IP66, 24V AC
DM699	Outdoor Wall Mount, Day/ Night, 480/550 TVL, 0.0 Lux, Zoom: Optical 36x , Digital: 12x, 255 presets, OSD, IP66, 24V AC

IP Cameras





1080p Flagship Cameras







	 MX110E-HD	 MX121E-HD	 MX125E-HD	 MX151E-HD	 MX175E-HD
Image Sensor	1/2.8" Sony CMOS	1/2.8" Sony CMOS	1/2.8" Sony CMOS	1/2.8" Sony CMOS	1/2.8" Sony CMOS
Max. Resolution	1080p	1080p	1080p	1080p	1080p
Lens	4.2mm	4.2mm	2.8 - 10mm	4.2mm	4.2 - 10mm
View Angle	77°	54° ~ 77°	35° ~ 92°	54° ~ 77°	37° ~ 78°
Min. Illumination	0.1 Lux/ F1.0	0.0 Lux	0.0 Lux	0.0 Lux	0.0 Lux
IR LED / Effective Range	-	~10m	~20m	~15m	~20m
Settings	WDR, Sens-Up	WDR, Sens-Up	WDR, Sens-Up	WDR, Sens-Up	WDR, Sens-Up
Compression	HD SMAC-M, H.264	HD SMAC-M, H.264	HD SMAC-M, H.264	HD SMAC-M, H.264	HD SMAC-M, H.264
Edge Recording	Event, Redundancy	Event, Redundancy	Event, Redundancy	-	-
Interface	10/100 Base-T, RJ-45	10/100 Base-T, RJ-45	10/100 Base-T, RJ-45	10/100 Base-T, RJ-45	10/100 Base-T, RJ-45
Dynamic IP	sureLINK, DDNS	sureLINK, DDNS	sureLINK, DDNS	sureLINK, DDNS	sureLINK, DDNS
Concurrent Users	6	6	6	6	6
Hacker Resistant	Yes	Yes	Yes	Yes	Yes
ONVIF	Profile S	Profile S	Profile S	Profile S	Profile S
Audio					
Input	-	1x	1x	-	-
Output	-	1x	1x	-	-
Event					
Alarm Input	1x	1x	1x	1x	1x
Motion Detection	Yes	Yes	Yes	Yes	Yes
Relay Switch	-	1x	1x	-	-
Action	Dial back, alarm image recording at -3s, 0s, 3s, email with JPEG attachment, switch control	Dial back, alarm image recording at -3s, 0s, 3s, email with JPEG attachment, switch control	Dial back, alarm image recording at -3s, 0s, 3s, email with JPEG attachment, switch control	Dial back, alarm image recording at -3s, 0s, 3s, email with JPEG attachment, switch control	Dial back, alarm image recording at -3s, 0s, 3s, email with JPEG attachment, switch control
Environment					
Power	PoE, DC 12V (600 mA)	PoE, DC 12V (1000 mA)	PoE, DC 12V (1000 mA)	PoE, DC 12V (1000 mA)	PoE, DC 12V (1000 mA)
Protection	-	Vandal Resistant, IP66	Vandal Resistant, IP66	IP66	IP66
Ambient Temperature	-25°C ~ +50°C	-25°C ~ +50°C	-25°C ~ +50°C	-25°C ~ +50°C	-25°C ~ +50°C
Relative Humidity	85% (no condensation)	85% (no condensation)	85% (no condensation)	85% (no condensation)	85% (no condensation)
Net Weight (g)	400	1000	1100	600	1200

1080p 2MP Cameras

	 MQ210E-HD	 MQ211-HD	 MQ225E-HD	 MQ231-HD	 MQ251E-HD	 MQ275E-HD
Image Sensor	1/2.8" Sony CMOS	1/2.8" Sony CMOS	1/2.8" Sony CMOS	1/2.8" Sony CMOS	1/2.8" Sony CMOS	1/2.8" Sony CMOS
Max. Resolution	1080p	1080p	1080p	1080p	1080p	1080p
Lens	3.6mm	2.8 - 12mm	2.8 - 12mm	3.6mm	3.6mm	2.8 - 12mm
View Angle	82°	31° ~ 95°	31° ~ 95°	82°	82°	31° ~ 95°
Min. Illumination	0.05Lux	0.05Lux	0.0 Lux	0.0 Lux	0.0 Lux	0.0 Lux
IR LED / Effective Range	-	-	24 Infrared LEDs / ~20m	24 Infrared LEDs / ~15m	36 Infrared LEDs / ~20m	2 Infrared LEDs / ~25m
Settings	WDR, Privacy Mask x 4	WDR, Privacy Mask x 4	WDR, Privacy Mask x 4	WDR, Privacy Mask x 4	WDR, Privacy Mask x 4	WDR, Privacy Mask x 4
Compression	H.264, JPEG	H.264, JPEG	H.264, JPEG	H.264, JPEG	H.264, JPEG	H.264, JPEG
Edge Recording	-	-	Event	-	-	Event
Interface	10/100 Base-T, RJ-45	10/100 Base-T, RJ-45	10/100 Base-T, RJ-45	10/100 Base-T, RJ-45	10/100 Base-T, RJ-45	10/100 Base-T, RJ-45
Dynamic IP	-	-	-	-	-	-
Concurrent Users	4	4	4	4	4	4
Hacker Resistant	-	-	-	-	-	-
ONVIF	Profile S	Profile S	Profile S	Profile S	Profile S	Profile S
Audio						
Input	-	-	1x	-	-	1x
Output	-	-	1x	-	-	1x
Event						
Alarm Input	-	-	2x	-	-	2x
Motion Detection	Yes	Yes	Yes	Yes	Yes	Yes
Relay Switch	-	-	1x	-	-	1x
Action	Emails snapshot	Emails snapshot	Recording, alarm output, emails snapshot	Emails snapshot	Emails snapshot	Recording, alarm output, emails snapshot
Environment						
Power	PoE, DC 12V (420 mA)	DC 12V (420 mA)	PoE, DC 12V (750 mA)	DC 12V (500 mA)	PoE, DC 12V (500 mA)	PoE, DC 12V (750mA)
Protection	Vandal Resistant, IP65	Vandal Resistant	Vandal Resistant, IP66	IP66	IP66	IP66
Ambient Temperature	-20°C ~ +55°C	-20°C ~ +55°C	-20°C ~ +55°C	-20°C ~ +55°C	-20°C ~ +55°C	-20°C ~ +55°C
Relative Humidity	90% (no condensation)	90% (no condensation)	90% (no condensation)	90% (no condensation)	90% (no condensation)	90% (no condensation)
Net Weight (g)	391	320	1120	391	500	935

Analogue Cameras

		Mini Domes		Speed Domes	
					
		DF108X	DF109X	DM665	DM699
Video	Image Sensor	1/3" Sony Super HAD II CCD	1/3" Sony Super HAD II CCD	1/4" CCD	1/4" Sony CCD
	Horizontal Resolution	700 TVL	700 TVL	500 / 680 TVL	480 / 550 TVL
	Lens	3.6mm	2.8 - 12mm	3.5 ~ 115.5mm	3.4 ~ 122.4mm
	View Angle (Horizontal)	68°	35° ~ 80°	1.6° - 55.5°	1.7° - 57.8°
	Output	BNC, 1.0 Vp-p, 75Ω	BNC, 1.0 Vp-p, 75Ω	BNC, 1.0 Vp-p, 75Ω	BNC, 1.0 Vp-p, 75Ω
	Motorised Zoom	-	-	33x	36x
	Min. illumination	0.1 Lux / F1.2	0.06 Lux / F1.2	0.0 Lux	0.0 Lux
	IR LED/ Effective Range	-	-	~100m	~100m
Settings	S/N Ratio	More than 48dB (AGC off)	More than 50dB (AGC off)	More than 50dB	More than 50dB
	Electronic Shutter	Built-in	Auto/ Manual	Auto	Auto
	Back Light Compensation	Built-in	On/ Off switchable	Auto	Auto
	Wide Dynamic Range	-	Yes	Yes	Yes
	White Balance	Auto	Auto/ Manual	Auto/ Manual	Auto/ Manual
Functions	Privacy Mask	-	x8	-	x8
	Presets	-	-	255	255
	Scan	-	-	1	1
	Patrols	-	-	6	6
Environment	Pattern	-	-	4	4
	Power	12V DC / (170 mA)	12V DC / (170 mA)	24V AC, 50Hz, (2500 mA)	24V AC, 50Hz, (2500 mA)
	Protection	-	-	IP66	IP66
	Ambient Temperature	-20°C ~ +50°C	-20°C ~ +55°C	-40°C ~ +65°C	-40°C ~ +65°C
	Relative Humidity	90% (no condensation)	90% (no condensation)	90% (no condensation)	90% (no condensation)
Net Weight (g)	180	312	3360	3360	

1080p AHD					
					
AF284	AF286	AF287	AF294	AF487M	AF42M
1/2.8" Sony CMOS	1/2.8" Sony CMOS	1/2.8" Sony CMOS	1/2.8" Sony CMOS	1/2.8" Sony CMOS	1/2.8" Sony CMOS
1080p	1080p	1080p	1080p	1080p	1080p
3.6mm	2.8mm ~ 12mm	2.8 - 12mm	3.6mm	6mm ~ 22mm	6mm ~ 22mm
80°	31° ~ 89°	31° ~ 89°	80°	15° ~ 38°	15° ~ 38°
BNC, 1.0 Vp-p, 75Ω	BNC, 1.0 Vp-p, 75Ω	BNC, 1.0 Vp-p, 75Ω	BNC, 1.0 Vp-p, 75Ω	BNC, 1.0 Vp-p, 75Ω	BNC, 1.0 Vp-p, 75Ω
-	-	-	-	-	-
0.0 Lux	0.0 Lux	0.0 Lux	0.0 Lux	0.0 Lux	0.0 Lux
2 Infrared LEDs / ~20m	24 Infrared LEDs / ~20m	2 Infrared LEDs / ~30m	24 Infrared LEDs / ~15m	48 Infrared LEDs / ~50m	48 Infrared LEDs + 2 IR III LEDs / ~80m
More than 50dB	More than 50dB	More than 50dB	More than 50dB	More than 50dB	More than 50dB
Auto/ Manual	Auto/ Manual	Auto/ Manual	Auto/ Manual	Auto/ Manual	Auto/ Manual
On/ Off switchable	On/ Off switchable	On/ Off switchable	On/ Off switchable	On/ Off switchable	On/ Off switchable
Yes	Yes	Yes	Yes	Yes	Yes
Auto/ Manual	Auto/ Manual	Auto/ Manual	Auto/ Manual	Auto/ Manual	Auto/ Manual
x4	x4	x4	x4	x4	x4
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
12V DC, (400 mA)	12V DC, (400 mA)	12V DC, (400 mA)	12V DC, (300 mA)	12V DC, (400 mA)	12V DC, (670 mA)
IP66	Vandal Resistant, IP66	IP66	IP66	IP66	IP66
-20°C ~ +55°C	-20°C ~ +55°C	-20°C ~ +55°C	-20°C ~ +55°C	-20°C ~ +55°C	-20°C ~ +55°C
90% (no condensation)	90% (no condensation)	90% (no condensation)	90% (no condensation)	90% (no condensation)	90% (no condensation)
445	1120	580	410	1110	1218



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