

Product Catalogue 2018

Vision beyond boundaries



TeleEye Family
















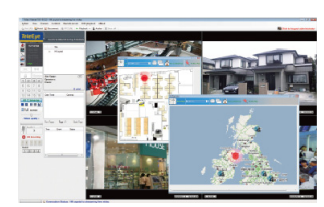

	IP	Analogue
Cameras	<p>(MP800) (MP400)</p>  <p>MP 4K / WQHD</p> <p>H.265 Enhanced H.264 ONVIF Profile S Day / Night timeMAX bandwidthMAX</p> <p>(MP2100)</p>  <p>MP (MP2100)</p> <p>HD 1080p Enhanced H.264 ONVIF Profile S Day / Night timeMAX bandwidthMAX</p> <p>(MQ2200)</p>  <p>MQ (MQ2200)</p> <p>HD 1080p Enhanced H.264 ONVIF Profile S pictureMAX</p>  <p>MQ</p> <p>Optical Zoom Day / Night Enhanced H.264</p>	 <p>AF</p> <p>HD 1080p AHD PAL NTSC</p>  <p>AF (Speed Dome)</p> <p>HD 1080p 30x Optical Zoom</p> <p>(AF400)</p>  <p>AF</p> <p>4MP AHD PAL NTSC</p>  <p>PF</p> <p>pictureMAX 820 TVL</p>
DVRs	 <p>GX</p> <p>HD SMAC-M MULTI-STREAM VIDEO HD 1080p Hacker Resistant ONVIF Profile S Duplicate Recording Alarm Verification BS8418</p>  <p>GN 4K / WQHD</p> <p>D.I.T. Hacker Resistant ONVIF Profile S Duplicate Recording Alarm Verification timeMAX bandwidthMAX</p>  <p>sureREC</p> <p>HD SMAC-M MULTI-STREAM VIDEO WQHD 64 Channels NAS RAID 5 ONVIF Profile S Duplicate Recording Alarm Verification</p>	 <p>RX</p> <p>SMAC-M MULTI-STREAM VIDEO H.264 Hacker Resistant Alarm Verification Internet Viewing Duplicate Recording WD1</p>  <p>RX (Mobile)</p> <p>SMAC-M MULTI-STREAM VIDEO H.264 Shock Proof 4G Alarm Verification WD1</p>  <p>JN</p> <p>4MP / HD 1080p AHD H.264 Hybrid</p>
Video Management Software	 <p>sureSIGHT</p> <p>24/7 Live Monitoring Video Analytics</p>	 <p>sureGUARD</p> <p>24/7 Alarm Verification BS8418</p>
		 <p>iViewHD</p> <p>Remote Surveillance</p>

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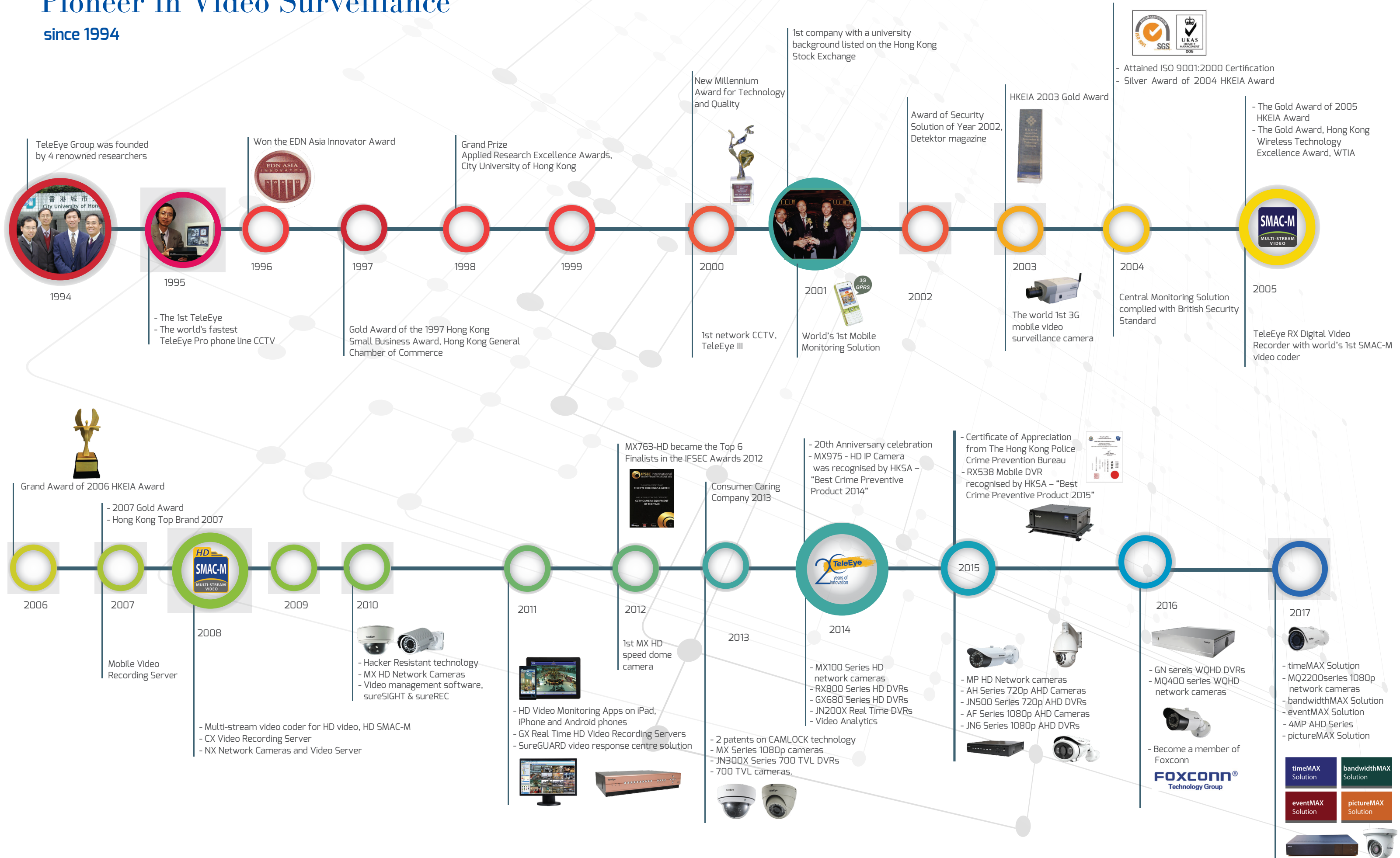
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Pioneer in Video Surveillance

since 1994



TeleEye Group was founded by 4 renowned researchers



1994



1995

- The 1st TeleEye
- The world's fastest TeleEye Pro phone line CCTV

Won the EDN Asia Innovator Award



1996

Grand Prize Applied Research Excellence Awards, City University of Hong Kong



1997

Gold Award of the 1997 Hong Kong Small Business Award, Hong Kong General Chamber of Commerce

New Millennium Award for Technology and Quality



1998

Award of Security Solution of Year 2002, Detektor magazine



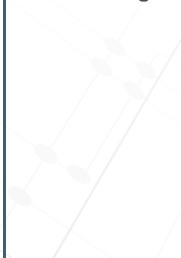
2000

1st network CCTV, TeleEye III



2001

1st company with a university background listed on the Hong Kong Stock Exchange



World's 1st Mobile Monitoring Solution



HKEIA 2003 Gold Award



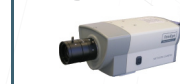
2002

Award of Security Solution of Year 2002, Detektor magazine



2003

The world 1st 3G mobile video surveillance camera



Atained ISO 9001:2000 Certification
Silver Award of 2004 HKEIA Award



2004

Central Monitoring Solution complied with British Security Standard

The Gold Award of 2005 HKEIA Award
The Gold Award, Hong Kong Wireless Technology Excellence Award, WTIA



2005

TeleEye RX Digital Video Recorder with world's 1st SMAC-M video coder

Grand Award of 2006 HKEIA Award



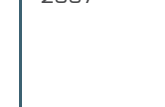
2006

2007 Gold Award
Hong Kong Top Brand 2007



2007

Mobile Video Recording Server



- Multi-stream video coder for HD video, HD SMAC-M
- CX Video Recording Server
- NX Network Cameras and Video Server

2008

2009

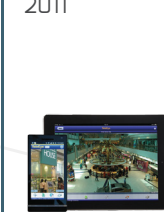
2010



- Hacker Resistant technology
- MX HD Network Cameras
- Video management software, sureSIGHT & sureREC

2011

- HD Video Monitoring Apps on iPad, iPhone and Android phones
- GX Real Time HD Video Recording Servers
- SureGUARD video response centre solution

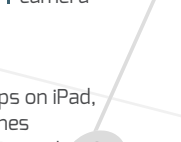


MX763-HD became the Top 6 Finalists in the IFSEC Awards 2012



2012

1st MX HD speed dome camera



Consumer Caring Company 2013



2013

- 2 patents on CAMLOCK technology
- MX Series 1080p cameras
- JN300X Series 700 TVL DVRs
- 700 TVL cameras.



20th Anniversary celebration
MX975 - HD IP Camera was recognised by HKSA - "Best Crime Preventive Product 2014"



2014

- MX100 Series HD network cameras
- RX800 Series HD DVRs
- GX680 Series HD DVRs
- JN200X Real Time DVRs
- Video Analytics

Certificate of Appreciation from The Hong Kong Police Crime Prevention Bureau
RX538 Mobile DVR recognised by HKSA - "Best Crime Preventive Product 2015"



2015

- MP HD Network cameras
- AH Series 720p AHD Cameras
- JN500 Series 720p AHD DVRs
- AF Series 1080p AHD Cameras
- JN6 Series 1080p AHD DVRs



2016

- GN seriesi WQHD DVRs
- MQ400 series WQHD network cameras



Become a member of Foxconn



2017

- timeMAX Solution
- MQ2200series 1080p network cameras
- bandwidthMAX Solution
- eventMAX Solution
- 4MP AHD Series
- pictureMAX Solution



UNITED KINGDOM



CHINA



HONG KONG



TURKEY



SRI LANKA



PHILIPPINES



SOUTH AFRICA



MALAYSIA



Global Expertise

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

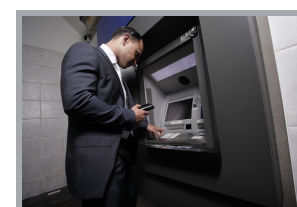
TeleEye provides support and expertise via 8 worldwide offices, and established distribution channels covering over 50 countries. TeleEye offers an extensive product range at a leading-edge of technological development and excellent quality in order to fulfill the requirements of complex and challenging projects and mobile monitoring solution initiating the shift from conventional man guarding to digital surveillance. TeleEye provides technical advice, customization and consulting services to video surveillance projects in many countries and across various industries such as banking, aviation, telecommunication, retail and logistics.

Wind Turbine Ireland



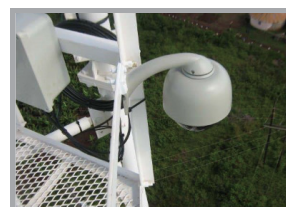
Retail Management Hong Kong & China

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.



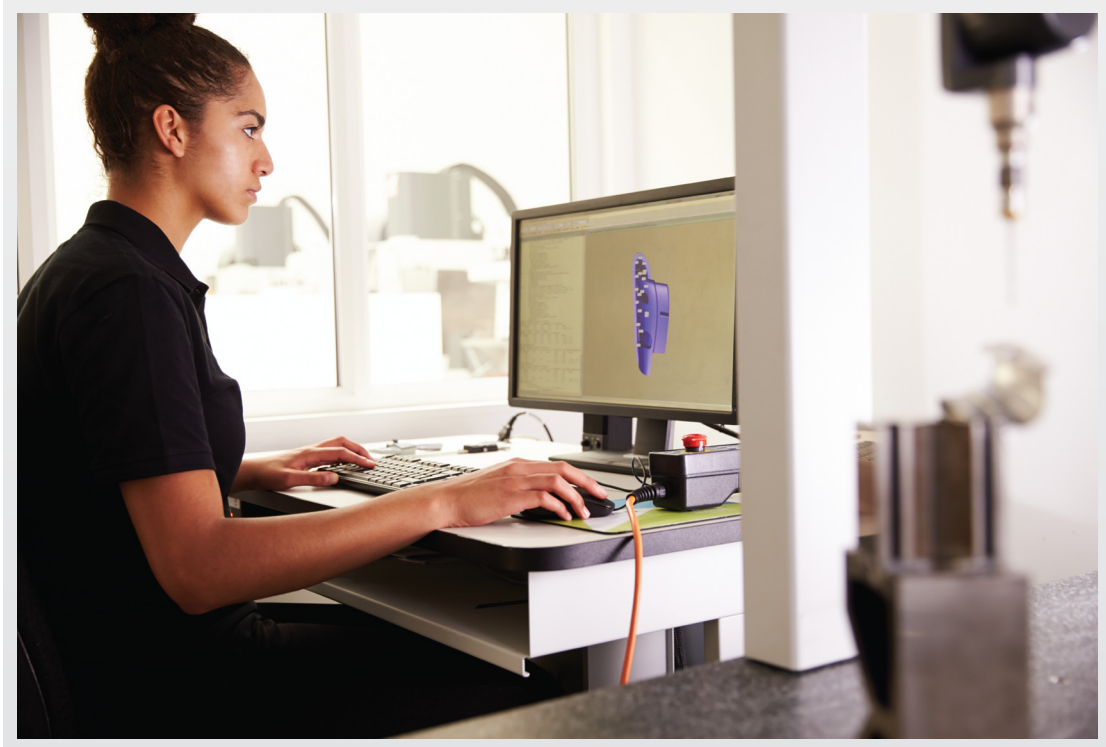
Secured DVR with Open Standard

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.



H.265

The extension in the concepts of H.264 which offers approximate double the data compression at the same level of video quality and also supports maximum video resolution of 8192 x 4320, including 8K UHD.



BS8418

A UK standard guideline for design, develop, install, operate and remote monitor detector activated CCTV systems.

* 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 (For sureSIGHT Pro only)
- Seamless compatibility with TeleEye analogue and HD products.
- Video analytic functions (For sureSIGHT Lite & Business only)
- Support ONVIF cameras

sureSIGHT Pro

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

sureSIGHT Business

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

sureSIGHT Lite

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



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*.

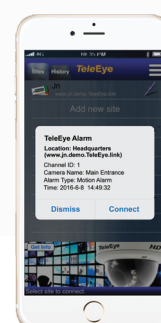
*Available for RX, GX & GN Series digital video recorders

Mobile Notification :

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 & GN only)
- Mobile notification**

** Available for RX800, GX680, GN & JN Series digital video recorders



TeleEye Alarm

Location: Headquarters
(www.jn.demo.TeleEye.link)

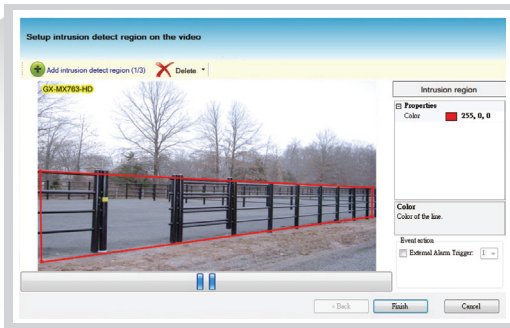
Channel ID: 1
Camera Name: Main Entrance
Alarm Type: Motion Alarm
Time: 2016-6-8 14:49:32

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, GN, MX and RX devices are supported. This new feature is software-based and does not require any hardware updates.

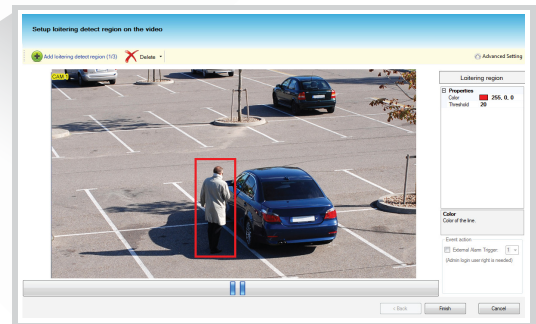


Intrusion Detection

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.

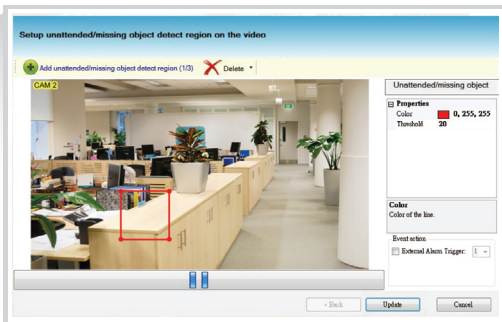
Loitering Detection

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.



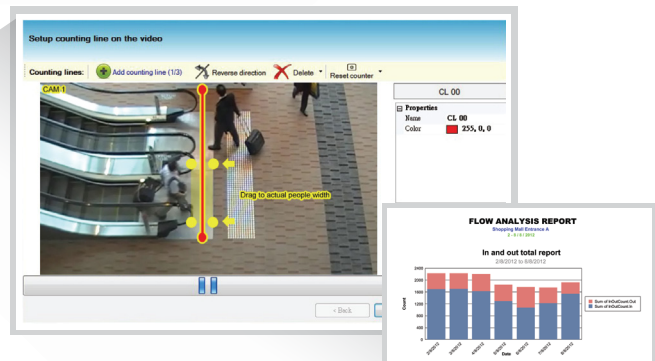
Unattended / Missing Object Detection

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

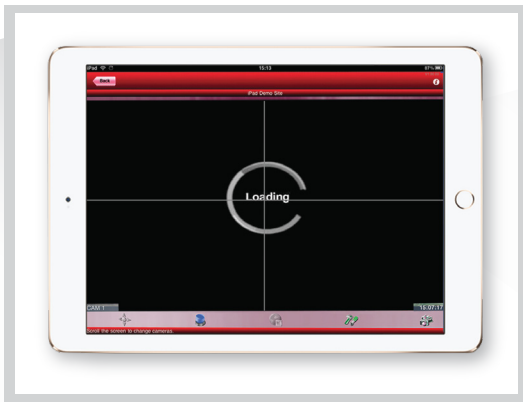
Flow Analysis can be highly used in retail areas and other open places where crowd management is an issue. Always be up to date with people entering and exiting an area.



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

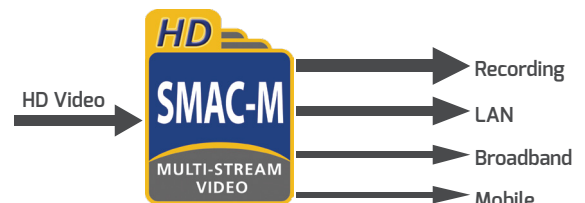


HD SMAC-M Multi-stream Video Codec

Traditional Video Coding Technology



HD SMAC-M: Multi-stream Video Coding Technology



- ✓ 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. 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.



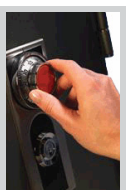
03 Pair Matching



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.

IP Based HD Video Surveillance Solutions



Crystal clear HD video: 720p, 1080p and WQHD
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 S 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 S Cameras
GX689	9-Channel 1080p HD Digital Video Recorder, Max. Recording Rate 225/270fps, B58418 Compliant, Supporting ONVIF Profile S Cameras
GX6816	16-Channel 1080p HD Digital Video Recorder, Max. Recording Rate 400/480fps, B58418 Compliant, Supporting ONVIF Profile S 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.

GN Series

4K Digital Video Recorders

TeleEye GN Series digital video recorders are capable of recording videos up to 4K resolutions which is equivalent to 3840 x 2160 pixels and 2 times the resolution of 1080p HD. Events are recorded in excellent video quality, providing much more useful information for post-incident investigations as compared to 1080p HD video surveillance systems.

Incorporated with the 'H.265 Video Compression Technology' as well as our dedicated 'Dynamic I-frame Technology (D.I.T)' which enable data to be compressed 70% more effectively compared to ordinary H.264, the GN Series is an excellent balance between video clarity and processing requirement, offering a practical and cost effective solution to end users.



Benefits



Ultra-high Definition



Longer Recording



Hacker Resistant

Models

4K

Model	Description
GN8916	16-channel 4K Digital Video Recorder, H.265, RAID 5, Max. Recording Rate 25fps @ 4K, WQHD, 1080p, 8 SATA
GN8932	32-channel 4K Digital Video Recorder, H.265, RAID 5, Max. Recording Rate 25fps @ 4K, WQHD, 1080p, 8 SATA

WQHD

Model	Description
GN6916	WQHD Digital Video Recorder, 1 Dedicated Video Port, Enhanced H.264, Max. Recording Rate 25/30fps per channel @ WQHD
GN6608	WQHD Digital Video Recorder, Dedicated Network, Enhanced H.264, 8 PoE Video Ports, Max. Recording Rate 200fps
GN6516	WQHD Digital Video Recorder, Shared Network, Enhanced H.264, Max. Recording Rate 400fps

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 up to MP and MQ series 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-16R	16-Channel Windows-based HD Digital Video Recorder, Max. Recording Frame Rate: 400/480fps, 8 HDD Slot, RAID 5
sureREC-HDR-32R	32-Channel Windows-based HD Digital Video Recorder, Max. Recording Frame Rate: 800/960fps, 8 HDD Slot, RAID 5
sureREC-HDR-64R	64-Channel Windows-based HD Digital Video Recorder, Max. Recording Frame Rate: 800/960fps, 8 HDD Slot, RAID 5
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
sureREC-HDR-64	64-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

HD Network Cameras

TeleEye HD Network Cameras consist of the MQ200 series, MQ6121-HD IR speed dome, MQ2200 Series, MP400 Series and MP800 Series. 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 indoor and outdoor environments.

TeleEye MP800 series is a new generation of HD cameras with 4K resolution (3840 x 2160px), while the MQ2200 and MQ series are a range of high performance cameras that deliver HD images at a 1080p resolution. The 'H.265', 'Enhanced H.264' and 'HD 5MAC-M' video compression technologies which compress better than H.264 are also incorporated into MP800, MP400 and MQ2200 series cameras to save bandwidth for longer recording without compromising on image quality. However, all TeleEye HD network cameras can also support H.264 format which is a common tender requirement. The MQ2200, MP400 and MP800 Series can also be added to any existing system which is compatible with the ONVIF Profile S interface. As a whole, TeleEye HD network cameras 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 cameras. As for MP400 and MQ200 cameras, once integrated with the GX Series DVR, the video data captured by the cameras are also fully protected.

MP800 Series 4K Network Cameras

Common Features

4K resolution (3840 x 210 pixels)
1/2.5" 8MP SONY CMOS sensor
H.265 / Enhanced H.264 compression
3 independent video streams

- IP66 weather proof
- Power over Ethernet, PoE
- True day & night operation with auto IR-cut filter
- ONVIF Profile S

MP



MP855AE-HD IR Electric Vari-focal Dome

- Electric vari-focal f=3.3mm-12mm lens
- 20-30m IR illumination range
- Vandal resistant



MP877AE-HD IR Electric Vari-focal Bullet

- Electric vari-focal f=3.3mm-12mm lens
- 30-50m IR illumination range

MP400 Series

WQHD Network Cameras

Common Features

- WQHD resolution (2560 x 1440 pixels)
- 1/3" 4MP CMOS sensor, 25/30fps
- H.265 / Enhanced H.264 compression
- 3 independent video streams
- IP66 weather proof
- Power over Ethernet, PoE
- True day & night operation with auto IR-cut filter
- ONVIF Profile S



MP421AE-HD IR Fixed Dome

- f=2.8mm fixed iris lens
- 10~20m IR illumination range
- Vandal resistant



MP425AE-HD IR Vari-focal Dome

- f=3.3 ~ 12mm vari-focal lens
- 20~30m IR illumination range
- Built-in micro SD slot
- External alarm input
- Vandal resistant



MP451AE-HD IR Fixed Bullet

- f=2.8mm fixed iris lens
- 20~30m IR illumination range



MP475AE-HD IR Vari-focal Bullet

- f=3.3 ~ 12mm vari-focal lens
- 30~50m IR illumination range
- Built-in micro SD slot
- External alarm input

MQ6121-HD

3MP IR Speed Dome

TeleEye MQ6121-HD is a 3MP high definition IR speed dome with 20x optical zoom and 100m IR illumination range which is ideal for outdoor surveillance applications.

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

- 1/2.8" 3MP Progressive CMOS sensor
- Optical Zoom: 20X
- ~100m IR illumination range
- 128 presets, 4 patrols, 4 patterns
- H.265 / Enhanced H.264 compression
- Lightning Protection

MQ 2200 Starlight Series

1080p Flagship HD Network Cameras

Common Features

- 1080p
- 1/2.8" 2MP Starlight CMOS sensor
- H.265 & Enhanced H.264
- 4 Privacy Masks
- IP66 weather proof
- Power over Ethernet, PoE
- True day / night operation
- ONVIF Profile S

mq



MQ2211E-HD Vari-Focal Dome

- f=2.8mm~12mm vari-focal lens
- Min illumination: 0.01 Lux



MQ2225E-HD IR Vari-Focal Dome

- f=2.8mm~12mm vari-focal lens
- Min illumination: 0.0 Lux



MQ2255E-HD IR Electric Vari-Focal Dome

- f=2.8mm ~ 12mm motorized lens
- Min illumination: 0.0 Lux



MQ2277E-HD IR Electric Vari-Focal Bullet

- f=2.8mm~8mm motorized lens
- Min illumination: 0.0 Lux

MQ200 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




■ Static Cameras



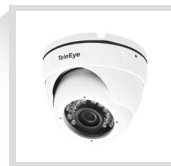
MQ210E-HD Fixed Dome

- 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



MQ231-HD IR Fixed Dome

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

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 4MP Analogue HD (AHD) solutions into its AF Series product line. The AF Series now combines of AHD 2MP(1080p) / 4MP cameras and JN6 Series of AHD 2MP(1080p) / 4MP 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 2MP / 4MP AHD Solutions are designed to overcome these problems.

Not only supporting videos at 2MP resolution, TeleEye AHD even further extends the video support at 4MP resolution, making it capable of backward compatibility with the SD and WD1 surveillance system. By just replacing the original SD cameras and recorders, users can easily upgrade their existing analogue systems to HD through a coaxial cable. This is the simplest way to progress from SD to HD. Meanwhile the same wiring can be used continuously for conveying crystal clear HD videos. TeleEye AHD solutions is an easy-to-use systems that users can just plug and play to complete the installation, therefore an IP set-up is not required. Moreover, there's no coding compression for front-end-data. TeleEye 2MP / 4MP AHD products are able to provide real-time viewing and high fidelity.

TeleEye AHD offers a complete solution which maintains the advantages of traditional analogue systems, upgrade the images to HD and incorporate TeleEye Video Management Software for a scalable solution to suit a diverse range of applications.

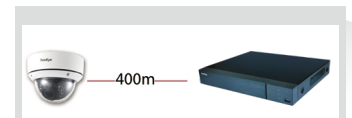
01 The Simplest Way to Upgrade from SD to True HD



TeleEye AHD solutions provides a simple and hassle free procedure to upgrade from a SD to a 2MP(1080p) / 4MP surveillance system. With TeleEye Analogue solutions, all that is required to upgrade from SD to 2MP / 4MP is to replace the existing cameras and DVRs with the AF Series and JN6 Series. However for certain cameras that are crucial in the current surveillance system which would be problematic to replace can also be retained. Additionally, the wiring of your current SD system does not need to be uprooted, so that users can continue to use their existing coaxial cables. Therefore, there are no inconvenience or delays to the daily surveillance operations throughout the switch to HD. The AHD cameras and DVRs are "AHD and SD" switchable.

02 Long Reach, Excellent Noise Immunity

TeleEye AHD systems use point to point transmission to secure a smooth and reliable image quality. TeleEye AHD 2MP / 4MP cameras can obtain a long-distance HD video transmission through a coaxial cable of up to 400m (2MP) and 200m (4MP); meanwhile IP cameras can only transmit videos to approximately 100m. These TeleEye AHD 2MP / 4MP cameras and DVRs can provide users with a solution that will allow them to monitor to a much greater distance. In comparison to traditional analogue products, TeleEye AHD products transmit images and videos at a superior quality and with 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 all fully compatible with the revolutionary TeleEye Video management software, to provide a seamless yet customisable system which can be scaled up or down at any point in time. These include TeleEye sureSIGHT, an integrated video management platform. TeleEye sureGUARD which offers an end-to-end alarm management solution that also complies with the British Standard, BS8418. Last but not least, TeleEye iVIEW HD which is designed for users to remotely monitor from any location conveniently. With the latest 4MP and 2MP AHD products and sophisticated software, TeleEye provides users with an absolute and simple solution from SD to HD surveillance.



05 Hybrid Solutions for IP and Analogue Recording

The TeleEye JN6 Series of AHD 2MP / 4MP 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 - 1080p

AHD Digital Video Recorders

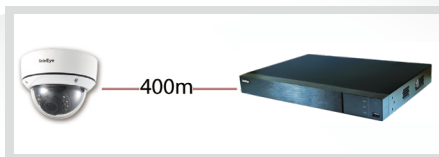
The JN6 Series is a full range of AHD digital video recorders. This series supports video recording at "1080p Lite" and "720p Lite" resolutions in order to boost recording frame rate and save storage. By adapting H.264 compression format, TeleEye JN6 Series is designed to fulfill all general video surveillance 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
JN6108	8-Channel AHD Digital Video Recorder; Max. Recording Rate: 720p Lite: 25 / 30fps, 1080p Lite: 12 / 15fps; 1 SATA
JN6116	16-Channel AHD Digital Video Recorder; Max. Recording Rate: 720p Lite: 25 / 30fps, 1080p Lite: 12 / 15fps; 1 SATA
JN6204B-S	4-Channel AHD Digital Video Recorder; Max. Recording Rate: 1080p lite: 25 / 30fps, 1080p: 12 / 15fps; 1 SATA; Slim Edition
JN6208B-S	8-Channel AHD Digital Video Recorder; Max. Recording Rate: 1080p lite: 25 / 30fps, 1080p: 12 / 15fps; 1 SATA; Slim Edition
JN6216B-S	16-Channel AHD Digital Video Recorder; Max. Recording Rate: 1080p lite: 25 / 30fps, 1080p: 12 / 15fps; 2 SATA; Slim Edition
JN6316-S	16-Channel AHD Digital Video Recorder; Max. Recording Rate: 1080P lite: 25 fps (PAL) / 30 fps (NTSC), 1080P : 12fps (PAL) / 15 fps (NTSC); 8 SATA; Slim Edition

New!

Analogue HD Cameras

AF Series

AHD 1080p Speed Domes

The AF series speed domes comprise of 3 models: AF5010, AF6120 and AF6132A. Supporting the Control over Coaxial (CoC) feature, installation of the speed domes are extremely convenient and flexible as they allow the transmission of control signals through the same coaxial cable, eliminating the need for an additional separated control cable.

AF

HD
1080p

AHD

PAL
NTSC

AF5010 Mini Speed Dome

The TeleEye AF5010 is a mini speed dome camera with 10x optical zoom designed for indoor environments. Its full HD 1080p resolution (1920 x 1080 pixels) produces high quality video recordings, allowing users to monitor the activities in their premises with crystal clear visions. In addition, it is designed with a compact and discreet appearance which is suitable for indoor applications that require unobtrusive surveillance.



AF5010 Mini Speed Dome

- 10x Optical Zoom
- f=5.1-51mm
- OSD menu
- Control over Coaxial (CoC)

AF6132A IR Speed Dome

The TeleEye AF6132A is an infrared speed dome with a powerful 33x optical zoom at 1080p HD resolution. Supporting telemetry control over coaxial cable (CoC), AF6132A is easy to be installed. Along with a long IR range of 120m with 8 IR LEDs, AF6132 is most suitable for both day & night operations as well as in outdoor environments.



AF6132A IR Speed Dome

- 33x Optical Zoom
- f =4.6mm-152mm
- ~120m IR Range
- OSD menu
- Control over Coaxial (CoC)

AF200 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

AF

HD
1080p

AHD

PAL
NTSC



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

4MP AHD Series

AHD 4MP Cameras - AF 400 Series

Common Features

- 4MP
- 1/3" 4MP CMOS sensor
- 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



AF425 IR Vari-Focal Dome

- Vari-focal f=3.3-12m
- 20-30M IR range
- Vandal resistance



AF431 IR Fixed Dome

- Fixed Lens f=2.8m
- 10-20M IR range



AF461 IR Fixed Bullet

- Fixed Lens f=2.8m
- 10-20M IR range



AF465 IR Vari-Focal Bullet

- Vari-focal f=3.3-12m
- 20-30M IR range

AHD 4MP DVRs - JN6400 Series

The JN6400 Series is a range of 4MP digital video recorders. This series supports video recording at 4MP (2560 x 1440 px) resolutions in order to boost recording frame rate and save data storage. By adapting H.264 compression format, TeleEye JN6400 Series is designed to fulfill all general video surveillance requirements and more.



Models

Model	Description
JN6408	8-Channel 4MP Digital Video Recorder; Max. Recording Rate: 4MP / 3MP : 12 fps (PAL) / 15 fps (NTSC) ; 2 SATA
JN6416	16-Channel 4MP Digital Video Recorder; Max. Recording Rate: 4MP / 3MP : 12 fps (PAL) / 15 fps (NTSC); 2 SATA

New!

New!

Analogue Based SD Video Surveillance Solution



Hi-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 Hi-Resolution Digital Video Recorders

TeleEye RX800 Series is a range of 6-, 12- & 16-channel hi-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 Hi-Resolution Digital Video Recorder, Max. Recording Rate 150 / 180fps, 4 SATA, BS 8418 Compliant
RX812	12-Channel Hi-Resolution Digital Video Recorder, Max. Recording Rate 300 / 360fps, 4 SATA, BS 8418 Compliant
RX816	16-Channel Hi-Resolution Digital Video Recorder, Max. Recording Rate 400 / 480fps, 4 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.

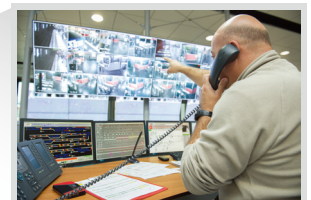
TeleEye Intelligent Property Management Systems consists of video surveillance, alarm management and intercom modules. Together with TeleEye sureGUARD, a more intelligent and sophisticated property management system is put in place.

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 initiates 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

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-Channel Mobile Digital Video Recorder, Max. Recording Rate 200 / 240 fps, 2 SATA

Analogue Pinhole Camera

PF183Z

Analog Pinhole Camera

TeleEye PF183Z is a analog pinhole camera especially designed for discreet surveillance. This camera delivers 960p performance, comprising Sony Starvis CMOS sensor, PF183Z is ideal for the use in stores, ATMs and vending machines even in low light condition. The BLC function also allows a clear identification on the objects even in backlight condition.



PF183Z Analog Pinhole Camera

- 1/3.2" Sony WDR STARVIS CMOS sensor
- Color: 820TVL, B/W: 850TVL
- Color: 0.05Lux / F1.4, B/W: 0.03Lux / F1.4
- f=2.5mm Pinhole lens
- Powerful WDR (75dB)
- Auto Defog / Privacy Zone Mask
- High Light Compensation (HLC)
- Y/C Digital Noise Reduction

Model

Model	Description
PF183Z	Day/ Night, 820/850 TVL, 0.03 Lux (B/W), 0.05 Lux (Color), 50/60 fps / 1.0Vp-p Composite, OSD, 12VDC

TeleEye's Dedicated Solutions



In the year of 2016 and 2017, TeleEye has exerted our greatest efforts to develop a range of solutions to fulfill the needs of the users in regard to different surveillance applications. At this stage, we have already developed four practical and innovative solutions, they are timeMAX Solution, bandwidthMAX Solution, eventMAX Solution and pictureMAX Solution. In the coming future, we will continue to expand our solutions with other new inventions. We hope that these solutions can bring the greatest efficiency and convenience to the users with the use of our products.

Solutions:

timeMAX
Solution

Designed for Longer Recording Time

bandwidthMAX
Solution

Designed for Saving Bandwidth Cost

eventMAX
Solution

Designed for Instant Mobile Event Management

pictureMAX
Solution

Designed for Ultra-high Definition
Video Image

TeleEye's Dedicated Solutions



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Designed for Ultra-high Definition
Video Image

timeMAX Solution

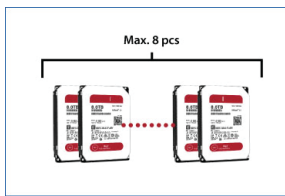
Designed for Longer Record



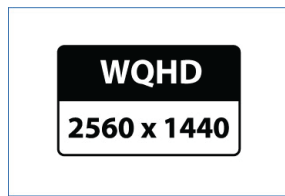
TeleEye timeMAX Solution is our latest innovation especially designed for longer recording time. With the combination of TeleEye GN 6916 NVR and MP21/ MP4 Series Cameras, you can have the real time recording of 1080p videos for up to 120 days.

TeleEye timeMAX Solution supports 8 x 8TB hard disks as well as our dedicated Enhanced H.264 video compression technology, in which the video compression is 30% more efficient than the standard H.264. Together with TeleEye's newly-developed Dynamic I-frame Technology (D.I.T), it further extends the storage of about 25%, enabling a maximum recording time of more than 120 days to be reached, which is almost a double of the most commonly-found products in the market.

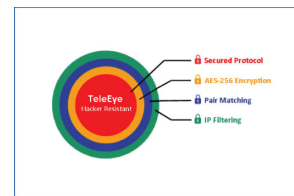
Benefits



Powerful Storage



WQHD



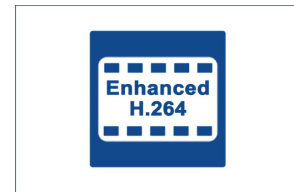
Hacker Resistant



Simple Configuration



Dynamic I-frame Technology



Enhanced H.264

Estimated Recording Time for timeMAX Solution

1080p	Resolution		1080p					
	Frame Rate		25 fps		12 fps		5 fps	
	Setup	Coding	timeMAX	H.264	timeMAX	H.264	timeMAX	H.264
	16 cams; 8 TB x 8		122 days	66 days	207 days	118 days	339 days	200 days
	16 cams; 6 TB x 8		91 days	50 days	155 days	88 days	254 days	150 days
	8 cams; 8 TB x 8		244 days	133 days	414 days	236 days	678 days	401 days
	8 cams; 6 TB x 8		182 days	100 days	310 days	177 days	508 days	301 days

WQHD	Resolution		WQHD					
	Frame Rate		25 fps		12 fps		5 fps	
	Setup	Coding	timeMAX	H.264	timeMAX	H.264	timeMAX	H.264
	16 cams; 8 TB x 8		77 days	42 days	130 days	71 days	213 days	117 days
	16 cams; 6 TB x 8		57 days	31 days	98 days	53 days	160 days	88 days
	8 cams; 8 TB x 8		154 days	84 days	260 days	143 days	426 days	234 days
	8 cams; 6 TB x 8		114 days	62 days	196 days	107 days	320 days	176 days

720p	Resolution		720p					
	Frame Rate		25 fps		12 fps		5 fps	
	Setup	Coding	timeMAX	H.264	timeMAX	H.264	timeMAX	H.264
	16 cams; 8 TB x 8		200 days	121 days	339 days	214 days	556 days	365 days
	16 cams; 6 TB x 8		150 days	91 days	254 days	161 days	417 days	273 days
	8 cams; 8 TB x 8		400 days	243 days	578 days	429 days	1112 days	730 days
	8 cams; 6 TB x 8		300 days	182 days	508 days	322 days	834 days	547 days

bandwidthMAX Solution

Designed for Saving Bandwidth Cost

bandwidthMAX Solution

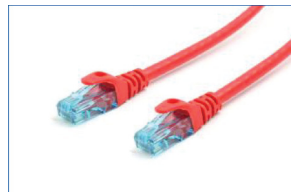
For security reasons, surveillance cameras with higher resolution have become the trend in the market. Cameras with better images usually require a higher bandwidth to maintain a stable and smooth video stream, however, there is a common phenomenon that users tend to mismatch their products with an unsuitable bandwidth due to money concern, misunderstanding about networks and the limitations in remote areas. In consequence, the large streaming volume in the videos maybe unable to fit into the confined bandwidth.

TeleEye bandwidthMAX Solution is especially designed for the above situations! With the combination of TeleEye GN Series DVRs and MP21/ MP4 Series IP Cameras, videos will be automatically adjusted to seamlessly fit into any bandwidth size under our newly-developed technology. By means of our intelligent solution, not only can the fluency of the video stream be guaranteed regardless of your bandwidth size, but also substantial savings can be realized as you do not need to go after a better but more costly bandwidth endlessly.

Benefits



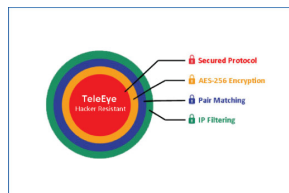
Cost Effective



Smoother Video Stream



Support 3G/ 4G Networks



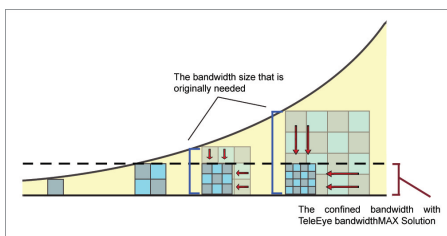
Hacker Resistant



Dynamic Resolution Technology

Dynamic I-frame Technology

How Does TeleEye Dynamic Resolution Technology (D.R.T) Work?



With TeleEye Dynamic Resolution Technology (D.R.T), the resolution of the videos will be automatically adjusted according to the chosen number of screens. In which, the resolution of the videos will be decreased with the increasing number of screens chosen, vice versa. As such, the volume of the videos can be minimized to increase bandwidth efficiency so as to allow a smoother video stream with a confined bandwidth.

The Compatibility of Different Networks Between TeleEye bandwidthMAX Solution and Other Commonly-found Products

Different Network	Price	Commonly-found products in the market	TeleEye bandwidthMAX Solution
Broadband – 100 Mbps	\$\$\$	✓	✓
Broadband – 10 Mbps	\$	Poor	✓
4G Network	\$\$\$\$\$	Poor	✓
3G Network	\$\$\$	✗	✓
Leased Line – T1 (1.544 Mbit/s)	\$\$\$\$\$	Poor	✓
Leased Line – 512 Kbps	\$\$\$	✗	✓

eventMAX Solution

Designed for Instant Event Management



eventMAX Solution is TeleEye's latest security alert service especially designed for instant and convenient event management. With this intelligent mobile application, users are able to be alerted to any events immediately through the mobile notifications once the events are being detected. You may also view the playback or the real-time situation of the triggered events via the application to enhance your knowledge toward the outbreak of the events. As such, your efficiency in event management can be greatly improved as this solution allows you to take swift and precise response to the events. As a result, losses and damages derived from the incidents can be greatly reduced or even prevented.

Mobile Application - TeleEye I-View

eventMAX Solution integrates with TeleEye i-View, our professional video management application. With its newest upgraded interface, users are able to learn the whole scenes of the events in seconds as long as you own a mobile device. Once the event is triggered, users will instantly be notified through messages with three event images: approximately 2 seconds before and after the incident, and the exact second of the incident. Through TeleEye i-View application, users can have easy management by viewing the playback of the event, seeing the real-time live situation, or even checking the the history of all the triggered events. As a result, users can comprehensively learn the events at once wherever you are so that corresponding actions for the events can be well prepared.



Functions



Mobile Notification



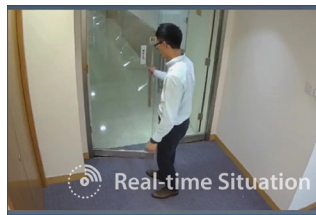
Event Images



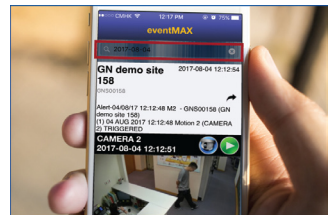
Notification History



Playback



Real-time Situation



Video Searching

Configuration

The functions of eventMAX Service varies with different series of TeleEye DVRs:

Function(s)	TeleEye DVR series
<ul style="list-style-type: none"> Notification Event Images Playback Real-time situation 	<ul style="list-style-type: none"> GN series (with upgraded firmware) JN series (sureLINK is required) RX series (with upgraded firmware - coming soon)
<ul style="list-style-type: none"> Notification Playback Real-time situation 	<ul style="list-style-type: none"> GX series

pictureMAX Solution

Designed for Ultra-High Definition Video Image



pictureMAX Solution brings a revolutionary redefinition to the image clarity of TeleEye's products. After the achievements in our WQHD (2560 x 1440 px) cameras and DVRs, as for the cameras, TeleEye continues to expand its MP series cameras with the introduction of the 4K IR network cameras, MP855AE and MP877AE, with built-in IR-LED illumination. Meanwhile, the GN series is expanded with the introduction of the 4K DVR GN8916 and GN8932.

With 8MP Sony CMOS sensor, the MP800 series is able to provide ultra-high definition images with finest details at 4K (3840 x 2160 px) resolution. Incorporating H.265 / enhanced H.264 video compression technologies, bandwidth is greatly saved for longer recording. Along with the built-in IR illumination, this series enables the users to monitor the objects or activities in a range of up to 50m even in a dark environments.

4K Network Cameras - MP800 Series

Common Features

- 4K resolution (3840 x 2160 pixels)
- 1/2.5" 8MP SONY CMOS sensor
- H.265 / Enhanced H.264 compression
- 3 independent video streams
- IP66 weather proof
- Power over Ethernet, PoE
- True day & night operation with auto IR-cut filter
- ONVIF Profile S



MP855AE-HD IR Electric Vari-focal Dome

- Electric vari-focal f=3.3mm-12mm lens
- 20-30m IR illumination range
- Vandal resistant



MP877AE-HD IR Electric Vari-focal Bullet

- Electric vari-focal f=3.3mm-12mm lens
- 30-50m IR illumination range

4K Digital Video Recorders - GN8900 Series

TeleEye 8900 series is TeleEye's latest 4K digital video recorders which are capable of recording videos up to 4K resolution which is equivalent to 3840 x 2160 pixels. Events are recorded in ultra-high video quality, providing much more useful information for post-incident investigations as compared to the WQHD and 1080p HD video surveillance systems.

As the amount of data generated by a professional 4K camera is massive with a much higher resolution, data storage will be easily used up under H.264 codec. Therefore, in order to save more data space for longer recording time, a higher video compression technology is required to reduce the amount of data of a camera with high-definition resolution.

Incorporated with the H.265 video compression technology which doubles the video compression efficiency of H.264 codec, the GN 8900 series strikes an excellent balance between video clarity and processing requirement, offering a practical and cost effective solution to the end-users.



GN8916

4K Digital Video Recorder, Dedicated/ Shared Network, H.265, 1 Dedicated Video Port, Max. Recording Rate 25fps per channel @ 4K



GN8932




4K Digital Video Recorder, Dedicated/ Shared Network, H.265, 1 Dedicated Video Port, Max. Recording Rate 12fps per channel @ 4K

Model	Description
GN8916	4K Digital Video Recorder, Dedicated/ Shared Network, H.265, 1 Dedicated Video Port, Max. Recording Rate 25fps per channel @ 4K
GN8932	4K Digital Video Recorder, Dedicated/ Shared Network, H.265, 1 Dedicated Video Port, Max. Recording Rate 12fps per channel @ 4K





IP Cameras

		4K Cameras		WQHD Cameras			
							
		MP855AE-HD	MP877AE-HD	MP421AE-HD	MP425AE-HD	MP451AE-HD	MP475AE-HD
Video	Image Sensor	1/2.5" CMOS	1/2.5" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS
	Max. Resolution	3840 x 2160	3840 x 2160	2560 x 1440	2560 x 1440	2560 x 1440	2560 x 1440
	Lens	3.3 - 12mm motorized lens	3.3 - 12mm motorized lens	2.8mm	3.3 - 12mm	2.8mm	3.3 - 12mm
	View Angle	97.5° ~ 38.5°	97.5° ~ 38.5°	100°	80° - 38°	100°	80° ~ 38°
	Min. illumination	Color:0.01lux / F1.2, 0 Lux with IR	Color:0.01lux / F1.2, 0 Lux with IR	Color:0.05lux / F1.2, 0 Lux with IR	Color:0.05lux / F1.2, 0 Lux with IR	Color:0.05lux / F1.2, 0 Lux with IR	Color:0.05lux / F1.2, 0 Lux with IR
	IR LED / Effective Range	~20-30m	~30-50m	~10 - 20m	~20-30m	~20-30m	~30-50m
	Compression	H.265, Enhanced H.264	H.265, Enhanced H.264	H.265, Enhanced H.264	H.265, Enhanced H.264	H.265, Enhanced H.264	H.265, Enhanced H.264
	SD Card	Max. 128GB	Max. 128GB	-	Max. 128GB	-	Max. 128GB
Communication	Interface	RJ-45	RJ-45	RJ-45	RJ-45	RJ-45	RJ-45
	Dynamic IP	sureLINK, DDNS	sureLINK, DDNS	sureLINK, DDNS	sureLINK, DDNS	sureLINK, DDNS	sureLINK, DDNS
	Concurrent Users	10	10	10	10	10	10
	ONVIF	Profile S	Profile S	Profile S	Profile S	Profile S	Profile S
Audio	Input	1x	1x	1x	1x	1x	1x
	Output	1x	1x	-	1x	-	1x
Event	Alarm Input	1x	1x	-	1x	-	1x
	Alarm Output	1x	1x	-	1x	-	1x
	Motion Detection	Yes	Yes	Yes	Yes	Yes	Yes
Environment	Power	PoE, DC 12V, 6.5W	PoE, DC 12V, 8W	PoE, DC 12V, 4W	PoE, DC 12V, 5W	PoE, DC 12V, 6W	PoE, DC 12V, 6.5W
	Protection	Vandal Resistant, IP66	IP66	Vandal Resistant, IP66	Vandal Resistant, IP66	IP66	IP66
	Ambient Temperature	-20°C ~ +50°C	-20°C ~ +50°C	-20°C ~ +50°C	-20°C ~ +50°C	-20°C ~ +50°C	-20°C ~ +50°C
	Relative Humidity	90% (no condensation)	90% (no condensation)	90% (no condensation)	90% (no condensation)	90% (no condensation)	90% (no condensation)
	Net Weight (g)	1100	1200	610	1100	610	1150

IP Cameras

		1080p Cameras		
		 MQ210E-HD	 MQ211-HD	 MQ231-HD
Video	Image Sensor	1/2.8" Sony CMOS	1/2.8" Sony CMOS	1/2.8" Sony CMOS
	Max. Resolution	1080p	1080p	1080p
	Lens	3.6mm	2.8 - 12mm	3.6mm
	View Angle	82°	95 - 31°	82°
	Min. illumination	Color: 0.06 Lux/ F1.4, 0 Lux with IR	Color: 0.06 Lux/ F1.4, 0 Lux with IR	Color: 0.06 Lux/ F1.4, 0 Lux with IR
	IR LED / Effective Range	-	-	~15m
	Compression	H.264, JPEG	H.264, JPEG	H.264, JPEG
Communication	Interface	RJ-45	RJ-45	RJ-45
	Concurrent Users	4	4	4
	ONVIF	Profile S	Profile S	Profile S
Event	Motion Detection	Yes	Yes	Yes
Environment	Power	PoE, DC 12V, 5W	DC 12V, 5W	DC 12V, 6W
	Protection	Vandal Resistant, IP65	Vandal Resistant	IP66
	Ambient Temperature	-20°C ~ +55°C	-20°C ~ +55°C	-20°C ~ +55°C
	Relative Humidity	90% (no condensation)	90% (no condensation)	90% (no condensation)
	Net Weight (g)	391	320	391

IP Cameras

1080p Cameras					
					
	MQ2211E-HD	MQ2225E-HD	MQ2255E-HD	MQ2277E-HD	
Video	Image Sensor	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
	Lens	2.8 - 12mm	2.8 - 12mm	2.8 - 12mm motorized lens	2.8 - 8mm motorized lens
	View Angle	97 - 35°	97 - 35°	97 - 35°	97 - 50°
	Min. illumination	Color: 0.01Lux F/1.4, B/W:0.005Lux F/1.4	Color: 0.01Lux F/1.4, B/W:0.005Lux F/1.4, 0 lux with IR	Color: 0.01Lux F/1.4, B/W:0.005Lux F/1.4, 0 lux with IR	Color: 0.01 Lux F/1.4, B/W:0.005 Lux F/1.4, 0 lux with IR
	IR LED / Effective Range	-	~25m	~25m	~25m
	Compression	H.265 / Enhanced H.264	H.265 / Enhanced H.264	H.265 / Enhanced H.264	H.265 / Enhanced H.264
	Edge Recording	Max. 64GB	Max. 64GB	Max. 64GB	Max. 64GB
Communication	Interface	RJ-45	RJ-45	RJ-45	RJ-45
	Concurrent Users	4	4	4	4
	ONVIF	Profile S	Profile S	Profile S	Profile S
Audio	Input	1x	1x	1x	1x
	Output	1x	1x	1x	1x
Event	Alarm Input	2x	2x	2x	2x
	Alarm Output	1x	1x	1x	1x
	Motion Detection	Yes	Yes	Yes	Yes
Environment	Power	PoE, DC 12V, 7W	PoE, DC 12V, 7W	PoE, DC 12V, 7W	PoE, DC 12V, 7W
	Protection	Vandal Resistant, IP66	Vandal Resistant, IP66	Vandal Resistant, IP66	IP66
	Ambient Temperature	-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)
	Net Weight (g)	650	650	650	700

3MP Speed Dome






MQ6121-HD

Video	Image Sensor	1/2.8" Sony CMOS
	Max. Resolution	2048 x 1536
	Lens	5.5 - 110mm
	View Angle	52 - 3°
	Optical Zoom	20x
	Min. illumination	0Lux (IR ON)
	IR LED / Effective Range	~100m
	Compression	H.265 / Enhanced H.264
Communication	Interface	RJ-45
	ONVIF	Profile S
Audio	Input	1x
	Output	1x
Event	Alarm Input	1x
	Alarm Output	1x
Functions	Presets	255
	Scan	2
	Cruise	8
	Track	4
Environment	Power	DC 24V 30W (IR ON)
	Protection	IP66
	Ambient Temperature	-20°C ~ +65°C
	Relative Humidity	95% (no condensation)
	Net Weight (g)	4000







Analogue Cameras

		4MP AHD Cameras			
					
		AF425	AF431	AF461	AF465
Video	Image Sensor	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS
	Horizontal Resolution	2560 x 1440	2560 x 1440	2560 x 1440	2560 x 1440
	Lens	3.3 - 12mm	2.8mm	2.8mm	3.3 - 12mm
	View Angle (Horizontal)	85.7°-33.6°	105°	105°	85.7°-33.6°
	Output	4MP	4MP	4MP	4MP
	Min. illumination	0Lux/F1.4 (IR ON)	0Lux/F1.4 (IR ON)	0Lux/F1.4 (IR ON)	0Lux (IR ON)
	IR LED/ Effective Range	20-30m	10-20m	10-20m	20-30m
	S/N Ratio	More than 52dB	More than 52dB	More than 52dB	More than 52dB
Settings	Electronic Shutter	Auto/ Manual	Auto/ Manual	Auto	Auto
	Back Light Compensation	Yes	Yes	Yes	Yes
	Wide Dynamic Range	Yes	Yes	Yes	Yes
	White Balance	Auto/ Manual	Auto/ Manual	Auto/ Manual	Auto/ Manual
Environment	Power	12V DC, 3.5W	12V DC, 3W	12V DC, 4W	12V DC, 4W
	Protection	Vandal Resistant, IP66	IP66	IP66	IP66
	Ambient Temperature	-20°C - 50°C	-20°C - 50°C	-20°C - 50°C	-20°C - 50°C
	Relative Humidity	90% (no condensation)	90% (no condensation)	90% (no condensation)	90% (no condensation)
	Net Weight (g)	1100	360	320	570

Analogue Cameras

		1080p AHD Speed Domes		Analogue Pinhole Camera
		 AF5010	 AF6132A	 PF183Z
Video	Image Sensor	1/3" Sony CMOS	1/2.8" Sony CMOS	1/3.2" Sony CMOS
	Horizontal Resolution	1080p	1080p	Color: 820TVL, B/W: 850TVL
	Lens	5.1 - 51mm	4.6 - 152mm	2.5mm/ F2.2 Pinhole fixed lens
	View Angle (Horizontal)	55.2 - 3.2°	66.1° - 2.46°	88°
	Output	1080p AHD / CVBS	1080p AHD / CVBS	BNC, 1.0 Vp-p, 75Ω
	Optical Zoom	10x	33x	-
	Min. illumination	Color : 0.5 Lux, B/W : 0.1 Lux	Color : 0.05 Lux, B/W : 0.005 Lux, 0 lux (IR ON)	Color: 0.05Lux / F1.4, B/W: 0.03Lux / F1.4
	IR LED/ Effective Range	-	~120m	-
	S/N Ratio	More than 52dB	More than 50dB	More than 55dB
Settings	Electronic Shutter	Auto	Auto	Auto/ Manual
	Back Light Compensation	Auto	Auto	Auto
	Wide Dynamic Range	Yes	Yes	Yes
	White Balance	Auto/ Manual	Auto	Auto/ Manual
	Privacy Mask	-	-	-
Functions	Presets	128	128	-
	Scan	4	4	-
	Patrols	4	4	-
	Pattern	4	4	-
Environment	Power	12V DC, 5W	24V DC, 35W	12V DC, 0.75W
	Protection	-	IP66	-
	Ambient Temperature	-10°C ~ +50°C	-20°C ~ +60°C	-10°C ~ +50°C
	Relative Humidity	95% (no condensation)	95% (no condensation)	80% (no condensation)
	Net Weight (g)	1300	3600	95

Analogue Cameras

		1080p AHD					
							
		AF284	AF286	AF287	AF294	AF487M	AF42M
Video	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
	Horizontal Resolution	1080p	1080p	1080p	1080p	1080p	1080p
	Lens	3.6mm	2.8mm ~ 12mm	2.8 - 12mm	3.6mm	6mm ~ 22mm	6mm ~ 22mm
	View Angle (Horizontal)	80°	31° ~ 89°	31° ~ 89°	80°	15° ~ 38°	15° ~ 38°
	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	BNC, 1.0 Vp-p, 75Ω	BNC, 1.0 Vp-p, 75Ω
	Min. illumination	Color: 0.06 Lux / F1.4, 0 Lux with IR	Color: 0.06 Lux / F1.4, 0 Lux with IR	Color: 0.06 Lux / F1.4, 0 Lux with IR	Color: 0.06 Lux / F1.4, 0 Lux with IR	Color: 0.06 Lux / F1.4, 0 Lux with IR	Color: 0.06 Lux / F1.4, 0 Lux with IR
	IR LED/ Effective Range	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
S/N Ratio	More than 50dB	More than 40dB	More than 50dB	More than 50dB	More than 50dB	More than 50dB	
Settings	Electronic Shutter	Auto/ Manual	Auto/ Manual	Auto/ Manual	Auto/ Manual	Auto/ Manual	Auto/ Manual
	Back Light Compensation	Yes	Yes	Yes	Yes	Yes	Yes
	Wide Dynamic Range	Yes	Yes	Yes	Yes	Yes	Yes
	White Balance	Auto/ Manual	Auto/ Manual	Auto/ Manual	Auto/ Manual	Auto/ Manual	Auto/ Manual
	Privacy Mask	x4	x4	x4	x4	x4	x4
Environment	Power	12V DC, 5W (IR ON)	12V DC, 5W (IR ON)	12V DC, 8W (IR ON)	12V DC, 5W (IR ON)	12V DC, 6W (IR ON)	12V DC, 10W (IR ON)
	Protection	IP66	Vandal Resistant, IP66	IP66	IP66	IP66	IP66
	Ambient Temperature	-20°C ~ +55°C	-10°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)	445	820	580	400	1110	1218



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