

High Definition Video Surveillance Solution

Design with Security Concerns in Mind

Are you ready for secured HD Video Surveillance?

The market has a demand for higher and higher definition solutions in video surveillance applications. TeleEye, a pioneer in the field of advanced video surveillance, has developed a complete end-to-end HD Video Surveillance Solution to cater for the market needs. The solution consists of MX Series HD Network Cameras, GX Series HD Video Recording Servers and sureSIGHT HD Video Management Solution.

An efficient video coder is of the utmost importance in any HD Video Surveillance Solutions to make a HD system practical at all. TeleEye has developed the HD SMAC-M video coder, the world's first multi-stream coder for HD video. HD SMAC-M has proved to be more efficient in comparison with standard video compression technologies like MPEG-4 or H.264.

As TeleEye MX Cameras employ the HD SMAC-M, it could avoid third party to decode the data and reconstruct the video. Moreover, the MX Cameras adapt the AES 256-bit encryption to ensure the data security in the authentication process. IP filtering and registration checking are also implemented to further enhance data security of the entire solution.



Superb Video Quality with Great Details

TeleEye MX Cameras provide ultra-high resolution video quality with over 800 TVL. The wide screen format provides 33% more viewing area with much better clarity than conventional 4:3 analog cameras.

Video Coder for Security Needs

Built with TeleEye proprietary HD SMAC-M video coder, the MX Cameras can generate 4 independent video streams simultaneously for optimizing the performances of video recording and transmission via different networks, such as LAN, broadband and mobile. HD SMAC-M compresses better and provides video size 50% smaller than other H.264-based IP cameras at the same picture resolution, quality and frame rate.*

*Data quote from: Secutech Camera Excellence Award 2011.

Hacking Resistant Design

TeleEye MX Cameras are designed with security concerns in mind. As the cameras adapt the proprietary HD SMAC-M multi-stream video coder, it can avoid hackers to decode the data and reconstruct the video illegally. The proprietary coder also avoids the criminals to locate the cameras by searching data packets based on a port number on the Internet. The authentication process is protected by AES 256-bit encryption simultaneously. 'IP filtering' and 'Registration check' features are also implemented for tightening the security further.

Industry Recognition

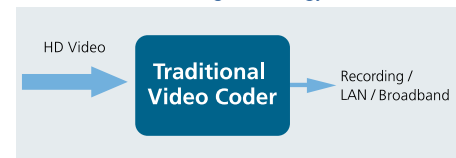
With its various unique features such as hacker resistant design, HD SMAC-M technology and great video quality, TeleEye MX Camera has selected as finalists in the Secutech Camera Excellence Award and IFSEC International Security Industry Awards. All entries had to meet rigorous standards including unique in features and proven technology. The TeleEye MX Camera totally met the judging criteria with great recognition.

Complete End-to-end HD Video Surveillance Solution

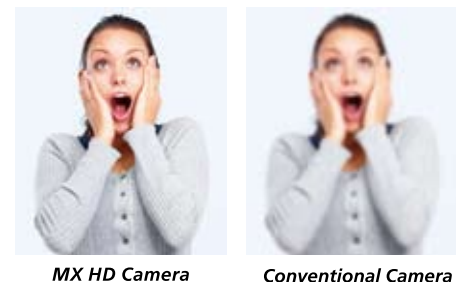
In contrast with many other IP video surveillance manufacturers who offer either cameras or NVRs, TeleEye provides a complete HD IP solution, including HD cameras, recorders and video management applications. The TeleEye HD solution guarantees optimized performance, seamless compatibility and single contact point when technical support is required.



Traditional Video Coding Technology



HD SMAC-M: Multi-stream Video Coding Technology



HD

GX HD Video Recording Server

TeleEye GX Series is a range of 4-, 9- and 16-channel video recording servers, which is specially designed for recording videos of TeleEye MX Cameras. GX supports real-time HD recording up to maximum frame rate of 400fps at 720p resolution for 16 cameras. GX is installer friendly with patent-pending CAMLOCK technology. No IP setup is required. It complies with BS 8418 which provides sophisticated event management for RVRs and central monitoring stations.



TeleEye GX real time
HD video recording server

sureREC HD Recorder

sureREC HD Recorder is a Window based solution running on PC for recording and monitoring of 32 MX Cameras at a maximum recording frame rate of 800fps. Typically, sureREC is configured to form a large scale reliable HD video recording system based on redundant disk array (RAID) technology.

sureSIGHT Integrated Video Management Platform

sureSIGHT is a professional video management platform which is fully compatible with all TeleEye products including MX Cameras.

Value-added Module

siteMAP:

- manage sites through multi-layer siteMAP

sitePOS:

- display data on recording video

siteMATRIX:

- digital video matrix module for video wall applications

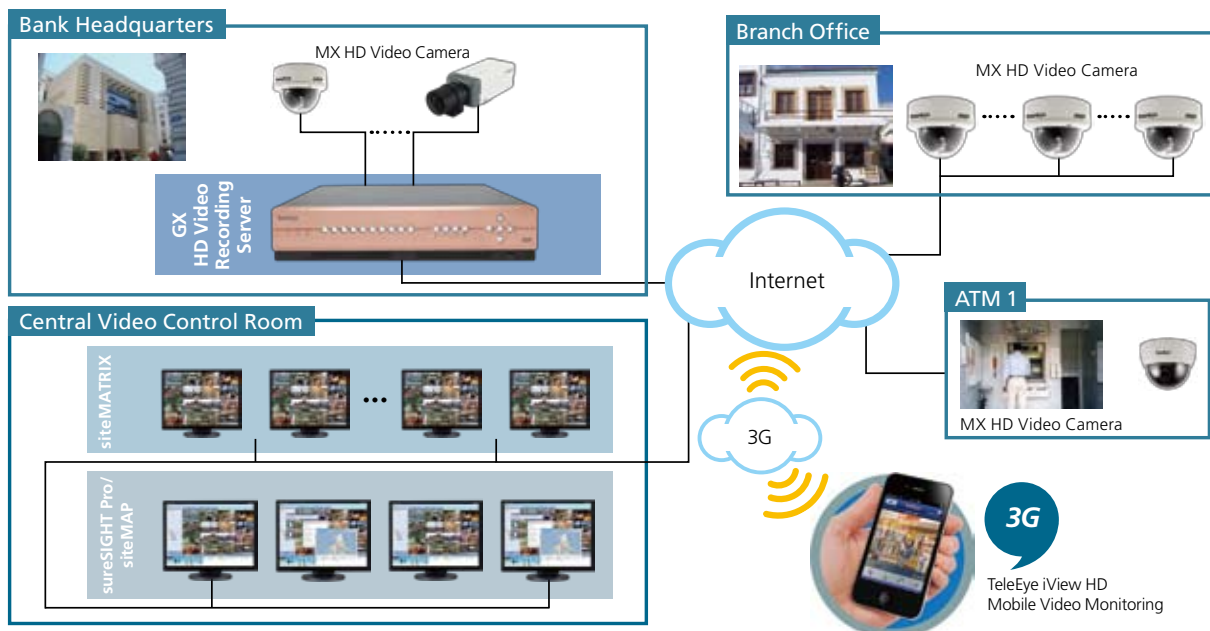
sureGUARD Video Response Centre Solution

sureGUARD is an event driven video surveillance solution for visual alarm verification application.

- BS 8418 compliance
- comprehensive client account systems
- full traceability of data
- optimal siteMAP, siteCHECK & video matrix modules
- redundancy design for enhanced reliability
- robust & reliable for 24x7 operations

iView HD Mobile Video Monitoring Software

By using TeleEye Mobile Video Monitoring Solution iView HD, users can view live video through iPad, iPhone, Android tablets, Android smartphones and various mobile phones.





MX Series - HD Network Cameras

TeleEye MX Series, the HD Video Cameras with proprietary multi-stream compression technology HD SMAC-M, offers great image details, a wider view and independent HD video recording. It allows simultaneous HD video recording at resolution of 720p and fast video transmission via LAN, broadband or mobile networks. It can work with GX HD Video Recording Server & sureSIGHT Video Management Software to turn into a complete end-to-end HD video surveillance solution.

MX800 Series



MX810-HD Compact Fixed Dome

- Compact 720p Dome
- 1/3.2" CMOS sensor, 15fps
- f=3.6mm fixed iris lens (6mm lens optional)
- 0.5 Lux @ F1.0
- Power over Ethernet - IEEE 802.3af (optional)



MX821-HD IR Fixed Dome

- 720p IR HD Dome
- 1/3.2" CMOS sensor, 15fps
- f=3.6mm fixed iris lens (6mm lens optional)
- 0.0 Lux
- ~15m illumination range
- IP66 weather proof and vandal resistant
- Power over Ethernet - IEEE 802.3af (optional)



MX825-HD IR Vari-focal Dome

- 720p IR HD Dome
- 1/3.2" CMOS sensor, 15fps
- f=2.8-10mm Vari-focal Auto-iris IR lens
- 0.0 Lux
- ~15m illumination range
- True day & night operation with auto IR-cut filter
- IP66 weather proof and vandal resistant
- Power over Ethernet - IEEE 802.3af (optional)



MX851-HD IR Camera

- 720p IR HD Camera
- 1/3.2" CMOS sensor, 15fps
- f=3.6mm fixed iris lens
- 0.0 Lux
- ~15m illumination range
- True day & night operation with auto IR-cut filter
- IP66 weather proof
- Power over Ethernet - IEEE 802.3af (optional)



MX873-HD Outdoor IR Vari-focal Camera

- 720p IR HD Camera
- 1/3.2" CMOS sensor, 15fps
- f=2.8-10mm Vari-focal Auto-iris IR lens
- 0.0 Lux
- ~15m illumination range
- True day & night operation with auto IR-cut filter
- IP66 weather proof
- Power over Ethernet - IEEE 802.3af (optional)

MX700 Series



MX710-HD High Definition Fixed Dome

- Compact 720p Dome
- 1/3" Sony CMOS sensor, 25fps
- f=3.6mm fixed iris lens (6mm lens optional)
- 0.1 Lux @ F1.0
- Power over Ethernet – IEEE 802.3af (optional)



MX721-HD IR Fixed Dome

- 720p IR HD Dome
- 1/3" Sony CMOS sensor, 25fps
- f=3.6mm fixed iris lens (6mm lens optional)
- 0.0 Lux
- ~20m illumination range
- IP66 weather proof and vandal resistant
- Power over Ethernet – IEEE 802.3af (optional)



MX725-HD IR Vari-focal Dome

- 720p IR HD Dome
- 1/3" Sony CMOS sensor, 25fps
- f=2.8-10mm Vari-focal Auto-iris IR lens
- 0.0 Lux
- ~20m illumination range
- True day & night operation with auto IR-cut filter
- IP66 weather proof and vandal resistant
- Power over Ethernet – IEEE 802.3af (optional)



MX751-HD IR Camera

- 720p IR HD Camera
- 1/3" Sony CMOS sensor, 25fps
- f=3.6mm fixed iris lens
- 0.0 Lux
- ~20m illumination range
- True day & night operation with auto IR-cut filter
- IP66 weather proof
- Power over Ethernet – IEEE 802.3af (optional)



MX763-HD Day / Night Box Camera

- 720p HD Camera
- 1/3" Sony CMOS sensor, 25fps
- CS Mount, Auto-iris
- 0.1 Lux @ F1.0
- Sens-up function: 0.005 Lux @ F1.0
- Wide dynamic
- True day & night operation with auto IR-cut filter
- Power over Ethernet – IEEE 802.3af



MX775-HD IR Vari-focal Camera

- 720p IR HD Camera
- 1/3" Sony CMOS sensor, 25fps
- f=2.8-10mm Vari-focal Auto-iris IR lens
- 0.0 Lux
- ~20m illumination range
- True day & night operation with auto IR-cut filter
- IP66 weather proof
- Power over Ethernet – IEEE 802.3af (optional)

MX800 Series Product Specifications

MODEL	MX810-HD	MX821-HD	MX825-HD	MX851-HD	MX873-HD
	Compact Fixed Dome	IR Fixed Dome	IR Vari-focal Dome	IR Camera	Outdoor IR Vari-focal Dome
VIDEO					
IMAGE SENSOR	1/3.2" CMOS sensor				
RESOLUTION	1600 x 900 / 1280 x 720 (720p)				
FRAME RATE	Up to 15 fps				
MINIMUM ILLUMINATION	0.5 Lux @ f/1.0	0.0 Lux, IR ON ~15m			
LENS	f=3.6mm fixed iris lens (6mm lens optional)	f=2.8-10mm vari-focal Auto-iris IR lens	f=3.6mm fixed iris lens	f=2.8-10mm vari-focal auto-iris IR lens	
VIEW ANGLE (HORIZONTAL)	64° / 42°	25° - 77°	64°	25° - 77°	
AUTO IR-CUT FILTER	-	Yes			
VIDEO SETTINGS	Brightness/Contrast/Saturation, Mirroring, Exposure, White balance, Flickerless control, Iris control, Sharpness				
CONNECTIVITY					
NETWORK INTERFACE	RJ-45, 10/100 base-T Ethernet (auto-sensing)				
NETWORK PROTOCOL	HTTP, uPnP, DHCP				
DYNAMIC IP	sureLINK, DDNS				
VIDEO STREAM RESOLUTION	1600x900, 1280x720, 960x540, 640x360, 480x270, 320x180				
CONCURRENT USERS	6 (independent)				
SECURITY	Multiple user access levels with password protection				
WEB SERVER	Built-in				
VIDEO COMPRESSION					
COMPRESSION	HD SMAC-M multi-stream				
VIDEO STREAMING	4 independent streams for recording, LAN, Broadband and Mobile				
EVENT HANDLING					
EVENT	External alarm, video motion detection, video loss				
ACTION	Dial back, alarm image recording at -3, 0, 3 seconds, email with JPEG attachment				
EXTERNAL ALARM INPUT	1 x NC/NO				
POWER					
POWER IN	DC 12V / PoE (Optional)				
MAX. RATING	7.4W (max)	12W (max)			
OPERATING ENVIRONMENT					
AMBIENT TEMPERATURE	0°C - 40°C				
RELATIVE HUMIDITY	< 85% (no condensation)				
MECHANICAL DESIGN					
WEATHER PROOF	-	IP66			
VANDAL RESISTANT	-	Yes			
NET WEIGHT	0.4kg	1kg	0.6kg	1.2kg	

Remarks: All specifications are subject to change without prior notice.

MX700 Series Product Specifications

MODEL	MX710-HD	MX721-HD	MX725-HD	MX751-HD	MX763-HD	MX775-HD
	High Definition Fixed Dome	IR Fixed Dome	IR Vari-focal Dome	IR Camera	Day / Night Box Camera	IR Vari-focal Camera
VIDEO						
IMAGE SENSOR	1/3" Sony CMOS sensor					
RESOLUTION	1280 x 720 (720p)					
FRAME RATE	Up to 25 fps					
MINIMUM ILLUMINATION	0.1 Lux @ f/1.0	0.0 Lux, IR ON ~20m		0.1 Lux @ f/1.0; Sens-up: 0.005 Lux @ f/1.0		0.0 Lux, IR ON ~20m
LENS	f=3.6mm fixed iris lens (6mm lens optional)	f=2.8-10mm vari-focal Auto-iris IR lens	f=3.6mm fixed iris lens	CS-mount auto-iris		f=2.8-10mm vari-focal auto-iris IR lens
VIEW ANGLE (HORIZONTAL)	64° / 42°	25° - 77°	64°	-		25° - 77°
AUTO IR-CUT FILTER	-	Yes				
VIDEO SETTINGS	Brightness/Contrast/Saturation, Mirroring, Exposure, White balance, Flickerless control, Iris control, Sharpness					
CONNECTIVITY						
NETWORK INTERFACE	RJ-45, 10/100 base-T Ethernet (auto-sensing)					
NETWORK PROTOCOL	HTTP, uPnP, DHCP					
DYNAMIC IP	sureLINK, DDNS					
VIDEO STREAM RESOLUTION	1280x720, 960x540, 640x360, 320x180					
CONCURRENT USERS	6 (independent)					
SECURITY	Multiple user access levels with password protection					
WEB SERVER	Built-in					
VIDEO COMPRESSION						
COMPRESSION	HD SMAC-M multi-stream					
VIDEO STREAMING	4 independent streams for recording, LAN, Broadband and Mobile					
EVENT HANDLING						
EVENT	External alarm, video motion detection, video loss					
ACTION	Dial back, alarm image recording at -3, 0, 3 seconds, email with JPEG attachment					
EXTERNAL ALARM INPUT	1x NC/NO		1x NC/NO; 1x Relay Output		1x NC/NO	
POWER						
POWER IN	DC 12V / PoE (Optional)		DC 12V / PoE		DC 12V / PoE (Optional)	
MAX. RATING	7.4W (max)		12W (max)		7.4W (max) 12W (max)	
OPERATING ENVIRONMENT						
AMBIENT TEMPERATURE	0°C - 40°C					
RELATIVE HUMIDITY	< 85% (no condensation)					
MECHANICAL DESIGN						
WEATHER PROOF	-	IP66	-		IP66	
VANDAL RESISTANT	-	Yes	-		Yes	
NET WEIGHT	0.4kg	1kg	0.6kg		1.2kg	

MX HD Speed Dome



MX677-HD High Definition Speed Dome

- 720p HD Speed Dome Camera
- Sony HD camera module, 25fps
- Optical Zoom: 20X; Digital Zoom 12X
- Day / Night, Minimum illumination: 0.095 Lux
- IP66 weather proof
- Preset, Tour, Auto scan
- Privacy Masking

MX677-HD Product Specifications

MODEL	MX677-HD
	High Definition Speed Dome
VIDEO	
IMAGE SENSOR	1/2.8" CMOS sensor
RESOLUTION	1280 x 720 (720p)
FRAME RATE	Up to 25 fps
MINIMUM ILLUMINATION	0.095 Lux
LENS	Optical: 20X / Digital: 12X (Total: 240X)
AUTO IR-CUT FILTER	Yes
VIDEO SETTINGS	Brightness/Contrast/Saturation, Mirroring, Exposure, White balance, Flickerless control, Iris control, Sharpness
PRIVACY ZONE MASKING	8 masks
CONNECTIVITY	
NETWORK PROTOCOL	HTTP, uPnP, DHCP
DYNAMIC IP	sureLINK, DDNS
VIDEO STREAM RESOLUTION	1280x720, 960x540, 640x360, 320x180
CONCURRENT USERS	6 (independent)
SECURITY	Multiple user access levels with password protection
WEB SERVER	Built-in
VIDEO COMPRESSION	
COMPRESSION	HD SMAC-M multi-stream
VIDEO STREAMING	4 independent streams for recording, LAN, Broadband and Mobile
EVENT HANDLING	
CONTROL	128 Presets, 4 Patrols, 3 Patterns, 1 Auto Scan
EVENT	Video motion detection, video loss
ACTION	Dial back, alarm image recording at -3, 0, 3 seconds, email with JPEG attachment
POWER	
POWER IN	AC 24V
MAX. RATING	47W
OPERATING ENVIRONMENT	
AMBIENT TEMPERATURE	-30°C to 40°C
RELATIVE HUMIDITY	< 85% (no condensation)
MECHANICAL DESIGN	
WEATHER PROOF	IP66
VANDAL RESISTANT COVER	Optional
NET WEIGHT	4kg

Remarks: All specifications are subject to change without prior notice.

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