

GX Series

Standalone Real Time
HD Video Recording Server

HD



Real time HD video at your fingertips.

TeleEye GX Series is a range of 4-, 9- and 16-channel video recording servers, which is specially designed for recording videos of our MX Series HD cameras. All GX models support real-time HD recording up to the maximum frame rate of 400fps at 720p (1280x720) resolution. Incorporating with the HD SMAC-M multi-stream video coder, recording, local display and network viewing performances are optimized and not affected with each other. Not only it preserves HD video recording quality, but also delivers optimized video transmission on LAN, Internet and mobile networks.

that eliminates the need of configuring IP settings into HD cameras before connecting them into GX. You can imagine the entire installation process is as simple as open the box, plug the camera on, power it up then you can see live video showing on the GX's screen instantaneously.

GX is a key component of TeleEye HD Video Surveillance Solution of which also includes HD IP cameras and video management platform. Since all these components come from the same development, seamless compatibility and optimized performance in operations can be assured.

TeleEye GX Series is a range of standalone real-time HD recorders performing 400fps recording at 720p resolution.



Features:

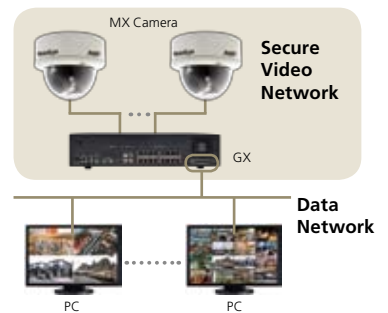
- Independent & efficient HD recording stream
- 720p HDTV resolution (1280 x 720 progressive scan)
- Video recording up to 400fps
- Configurable recording frame rate
- Supporting up to 4 SATA HDDs
- USB video extraction
- Flexible connections: LAN, broadband & mobile network
- Support both static & dynamic IP
- Independent video network: require only one IP for up to 16 MX HD Video Cameras
- IP filtering
- Single point video throughput control
- Mobile video monitoring
- Triplex operations: simultaneous monitoring, recording & playback
- HD video output
- Multiple login accounts
- Compliance with BS 8418
- Sophisticated event management
- Multi-language OSD
- Mouse control

Plug & Play Design

TeleEye GX is simple to install and its set-up process is straightforward with CAMLOCK technology, the system is ready to display and record video with auto cameras detection and configuration for all the 16 individual ports. The plug and play design creates trouble-free IP setup for users. Since the CAMLOCK separates the video network from the data network, unauthorized access of all installed cameras can be avoided.

Secure Network Architecture

The secure network architecture enhances network stability and performance by separating the video and the data networks. The video recording performance would not be interfered with the data traffic in the user's existing network, or vice versa.



End to End HD Video Surveillance Solution

In contrasting 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.



HD Surveillance on Mobile Devices



TeleEye GX keeps your eyes on while you are on the move. The HD SMAC-M video coder of GX provides independent stream for remote viewing using mobile devices, such as iPhone, iPad, Blackberry, Android and other smartphones supporting J2ME.

Professional Event Management - BS 8418 Compliance

TeleEye GX is designed to fully comply with the British Standard BS 8418:2003, providing robust and professional remote monitoring and



visual alarm verification solution to RVRCS. The system comes with 16-alarm inputs and 4-relay outputs. Moreover, comprehensive alarm management functions are embedded to allow your integration of TeleEye GX with existing alarm systems. User-defined actions would be carried out immediately when an event is detected.

Multi-streaming HD SMAC-M Video Coder

TeleEye GX incorporates the HD SMAC-M multi-stream video coder for HD video. Its multiple streaming function allows own throughput choices and allocates the best resources for video recording and viewing at various network capacities.

Traditional Video Coding Technology



HD SMAC-M: Multi-stream Video Coding Technology



Recording Size Requirements for TeleEye GX Video Recording Server & MX Cameras

	HD (720p)			QHD	
	GX (2TB)	GX (6TB)		GX (2TB)	GX (6TB)
4 No. of Cameras	2 weeks @ 15fps	4 weeks @ 25fps	4 No. of Cameras	8 weeks @ 15fps	15 weeks @ 25fps
9 No. of Cameras	1 week @ 6fps	3 weeks @ 15fps	9 No. of Cameras	4 weeks @ 6fps	11 weeks @ 15fps
16 No. of Cameras	2 weeks @ 2fps	5 weeks @ 3fps	16 No. of Cameras	8 weeks @ 2fps	15 weeks @ 3fps

Remarks: The tables illustrate the recording size requirements under different resolutions and performances. Actual recording size required is subject to actual camera situation. Please refer to the HD Calculator in TeleEye website for details.

TeleEye offers a comprehensive HD video camera range and professional video management software for customers to tailor-make their end - to - end HD video surveillance solution.



Comprehensive HD Video Camera Range

TeleEye MX HD Video Cameras incorporate with proprietary multi-stream compression technology, HD SMAC-M. The cameras can generate 4 independent video streams and allow simultaneous HD video recording at resolution of 720p and fast video transmission via LAN, broadband or mobile networks.

- HD SMAC-M multi-stream coder
- Resolution: 720p
- Progressive Scan, 16 : 9 aspect ratio
- Independent HD video recording stream
- Independent mobile stream for mobile phone viewing
- Day & night with auto IR-cut filter
- IP66 weather proof & vandal resistant
- Power over Ethernet – IEEE 802.3af
- 3 axis mount of domes

Comprehensive HD Video Management Software

All TeleEye MX HD Video Cameras can work with the following back-end video management software to establish a comprehensive HD Video Surveillance Solution.

Professional Video Management Solution

sureSIGHT is our versatile video management solution that is fully compatible with the whole GX and MX product ranges. Its modular and scalable design gives users tremendous flexibility to build up the most suitable platform to cater for their specific video management requirements.

Features:

- Support simultaneous monitoring of up to 64 HD videos on one screen
- Manage multiple sites & cameras simultaneously
- Comprehensive event log
- Modular design & operation
- Operator account management system
- Provide interactive maps with multi-layer hierarchy
- Display maximum of 400 cameras on video wall



Video Alarm Verification Solution

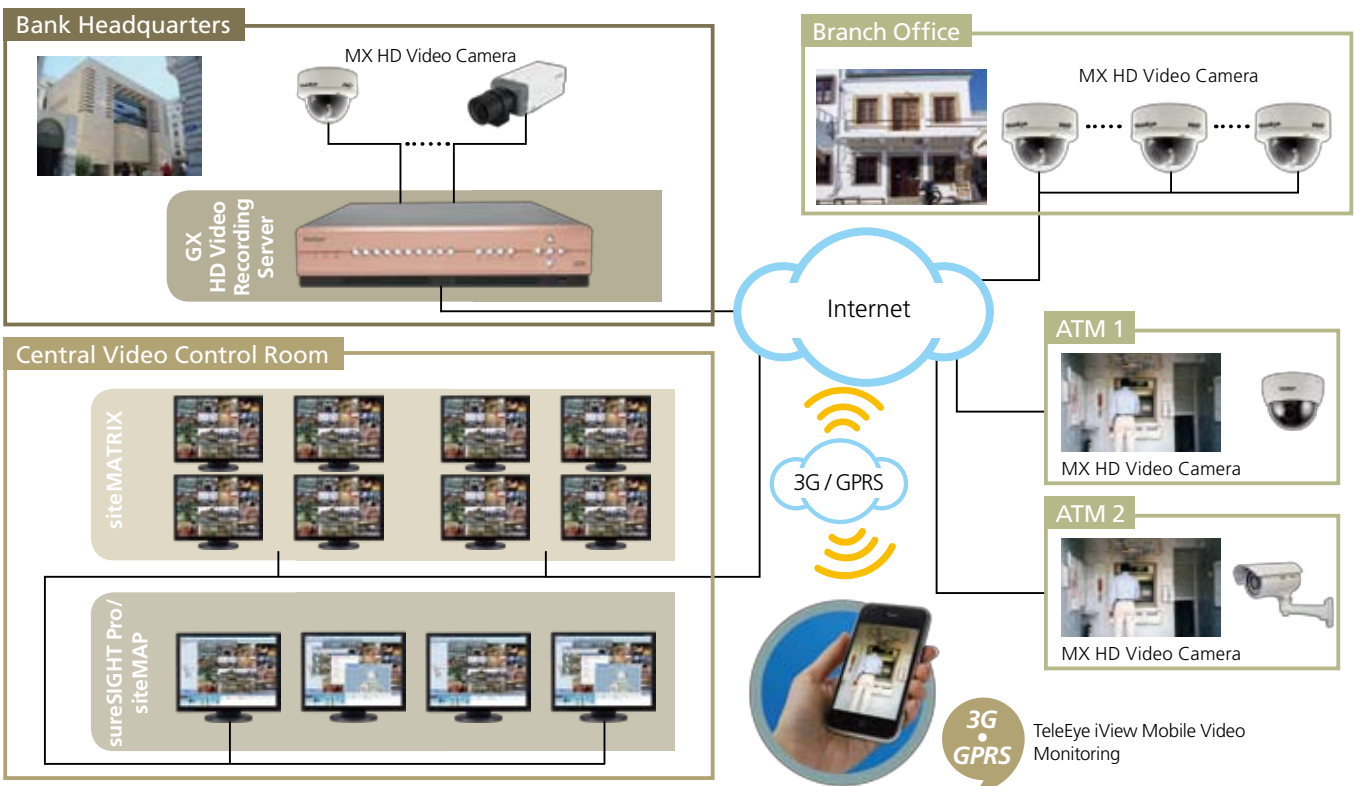
sureGUARD Video Response Centre Solution is a professional video alarm management solution for Remote Video Response Centre (RVRC). It fully complies with British Standard BS 8418 for remote monitoring of detector activated CCTV systems.

- BS 8418 compliance
- Manage numerous sites simultaneously
- Comprehensive client account system: Key holder information, floor plan, etc.
- Sophisticated event management and activity log: Speedy visual verification, off-site arm/disarm, etc.
- Scalable design and operation
- Up to 8 concurrent connections from each video management server
- Full-screen display and individual user authorities
- Optional site map, site check and video matrix modules



Mobile Monitoring Solution

TeleEye GX supports mobile video monitoring when using with TeleEye iView Mobile Monitoring Solution. TeleEye iView or iView HD are the video surveillance apps for iPhone, iPad, Android phones and other smartphones.



PC Requirements

	IE browser*	sureSIGHT Lite	sureSIGHT Business	sureSIGHT Pro [#]	sureGUARD
CPU:	Intel® Core™ i3 processor				
RAM:	2 GB				
HDD:	10 GB free space				
Display:	Direct 3D, Nvidia® GeForce® GT 220/ATI® Radeon® HD 5450 or above				
OS:	MS Windows XP/ Vista/7			MS Windows XP/Vista/7 or MS Windows 2008 R2 (64-bit edition)	

* Java: Sun Microsystems Java 2 runtime Version 1.5.0 or above, I.E: Windows Internet Explorer Version 6 or above
[#] For the siteMATRIX for sureSIGHT Pro. Multi-display graphic card is required. e.g) Nvidia® Quadro® NVS 450 or above

GX Specification

SPECIFICATIONS				
Model		GX624	GX629	GX6216
VIDEO INPUT	SUPPORTED HD CAMERAS	TeleEye MX Models		
	DIGITAL CHANNEL RJ45, 10/100 BASE-T	4	9	16
VIDEO OUTPUT	DIGITAL VIDEO	1 Channel, 1280x720, 1920x1080		
	VGA	1 Channel, 1280x720, 1920x1080		
	DISPLAY SCREEN	Full screen, Quad screen	Full screen, Quad screen, 3x3 screen	Full screen, Quad screen, 3x3 screen, Hex screen
AUDIO INPUT	NO. OF CHANNELS	2		
	RCA	line level; output impedance: 30K Ω , frequency: 200-3500Hz		
AUDIO OUTPUT	RCA	2 Channels, line level; output impedance 600 Ω , frequency: 200-3500Hz		
RECORDING	MODE	Manual, Schedule, Motion, Event-driven		
	HDD	SATA, internal x4		
	MAX. RECORDING RATE at 720p	100fps	225fps	400fps
	PLAYBACK	Forward, backward, pause, step forward, step backward, fast forward		
COMMUNICATION	NETWORK	RJ-45, 10/100/1000 base-T Ethernet (auto-sensing)		
	CONCURRENT USERS	6 (independent)		
	sureLINK	Support Internet connection assigned with dynamic IP address		
	MAX. TRANSMISSION FRAME RATE	25fps @1280x720, 100fps @640x360		
	WEB SERVER	Built-in		
	KEYBOARD CONTROL	RS422/RS485, 1 channel input		
	USB	USB 2.0, 2 channels		
EVENT HANDLING	EVENT	External alarm, Tamper, Video motion detection, Video loss, Power interruption, Disk full, System failure		
	ACTION	Buzzer, Dial back, Local recording, Relay control, Email notification		
	EXTERNAL ALARM INPUTS	16x, NC/NO (with tamper detection)		
RELAY SWITCH	NO. OF CHANNELS	4		
	MAX. RATING	24V AC, 1000mA		
POWER	VOLTAGE	16V DC		
	MAX. RATING	80W		
OPERATING ENVIRONMENT	AMBIENT TEMPERATURE	5°C - 40°C		
	RELATIVE HUMIDITY	< 85% (no condensation)		
MECHANICAL DESIGN	DIMENSION	420mmx345mmx104mm		
	WEIGHT	4.9kg	5kg	5kg