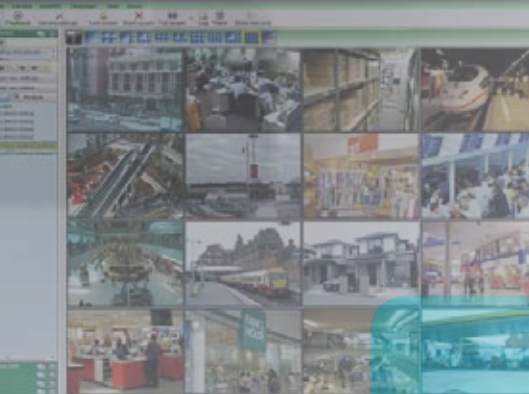end-to-end
solution

sureREC

HD

video
surveillance

TeleEye Turnkey
HD Surveillance System

Crystal clear video at your fingertips

TeleEye Turnkey HD Surveillance System is a complete end-to-end solution, including HD video cameras, recorders and video management software. As all components in the system come from the same development, we can ensure seamless compatibility and optimized performance in operations. This one-stop-shop approach eliminates the necessity to deal with multiple vendors when support is required.

sureREC HD Recorder supports recording and monitoring of up to 16 HD video cameras. It is pre-configured to cater for different professional video surveillance requirements. The pre-configured design saves user's time and trouble in system and network settings and allows instant configuration.

TeleEye

Crystal Clear Video - HDTV Quality and Resolution

One of the key components of TeleEye Turnkey HD Surveillance System is TeleEye MX Series HD Video Cameras. MX Cameras comply with the common HDTV standard and offer the resolution of 1280 x 720 pixels (720p) with 16:9 wide screen aspect ratio. The wide screen format provides 33% more viewing area and much better clarity when compared with conventional cameras. The resolution of MX Cameras is over 800 TVL which exceeds most of the conventional cameras with maximum 540 TVL. MX Cameras also employ progressive scanning technology which ensures the images have less distortion and jaggedness when looking at fast moving objects.
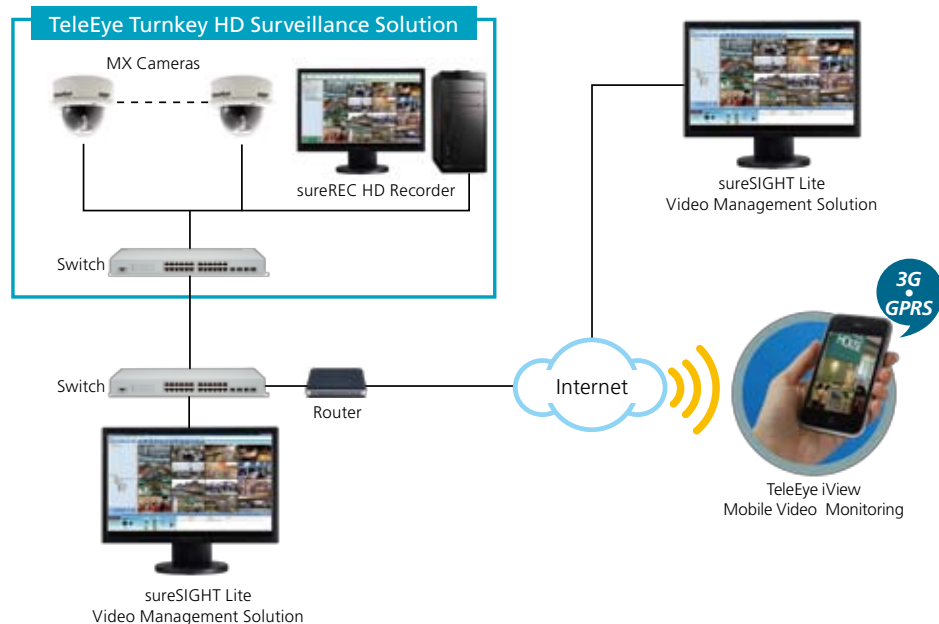
16:9 Wide Screen

4:3 Standard Resolution

Peace of Mind – End-to-End Preconfigured to Your Requirements

Most of other brands' systems use the third party hardware and software. The users require linking up cameras, recorders and monitoring software from different vendors to build up a complete solution. When technical assistance is required, the users may need to contact different vendors. TeleEye Turnkey HD Surveillance System is a one-stop solution, which includes HD Video Cameras, HD Recorder and Video Management Platform. It is ready to use on site with network setting preconfigured. Users do not need to concern about the compatibility among different components of the system from different vendors.

TeleEye Turnkey HD Surveillance Solution

MX Cameras

sureREC HD Recorder

Switch

Switch

Router

Internet

3G GPRS

sureSIGHT Lite
Video Management Solution

TeleEye iView
Mobile Video Monitoring

sureSIGHT Lite
Video Management Solution

Comprehensive Camera Range

TeleEye offers comprehensive camera range and professional video management solutions for the customers to tailor-make their HD surveillance system.

TeleEye MX Series HD Video Camera product range:

MX810-HD	MX820-HD	MX833-HD
An entry-level mini fixed dome designed for indoor applications.	A very similar specification as MX810-HD except it comes with a vandal-resistant IP66 casing.	An IR dome coming with a vari-focal, auto iris lens and switchable IR-cut filter. The IR illumination range of MX833-HD can reach up to 15m.

Professional Video Management Solution

sureSIGHT is a versatile video management solution that is fully compatible with the whole MX camera ranges. It can also work with TeleEye RX, CX and NX product ranges. The modular and scalable design gives users tremendous flexibility to build up the most suitable platform to cater for their specific video management requirements.

sureSIGHT Lite is a standalone video viewer supporting simultaneous monitoring of up to 16 videos on one screen.

sureSIGHT Business supports simultaneous monitoring of up to 64 videos on one screen.

sureSIGHT Pro is a networked video viewer supporting simultaneous monitoring of up to 64 videos on one screen. It can also share the cameras and user database with different sureSIGHT Pro workstations which run on the same network.

siteMAP (SMAP) Site Map Module is an add-on module for sureSIGHT viewers and it provides interactive maps with multi-layer hierarchy to indicate site, camera locations and alarm status.

siteMATRIX (SMTX) Digital Video Matrix Module is specially designed for video wall applications. The siteMATRIX supports displaying up to 80 live videos on 4 LCD screens with 20 live videos each. Hence, a sureSIGHT video management platform can display maximum of 400 live videos with the maximum of 5 siteMATRIX workstations.

Complete HD Video Recording Solution

sureREC HD Recorder is basically a PC-based platform pre-installed with sureREC V3 viewing and recording software and pre-configured with the Windows' group policy to restrict unnecessary access of the system to assure the system stability. It comes with 1TB and 3TB storage options to cater for different user's recording requirements. It is designed to support recording and monitoring of 16 MX cameras at a maximum recording frame rate of 200fps in HD resolution.

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mx
| HD Video Camera |

MX873-HD

A similar specification as MX833-HD except it comes with a wall-mount housing that is particularly suitable for perimeter protection applications.

MX763-HD

A box camera designed for inter-changeable CS-mount camera lenses. It comes with a Sony state-of-the-art CMOS sensor chip with excellent performance on low light environment.

Recording Size Requirements for TeleEye sureREC HD Recorder & MX Cameras

1280 x 720		
	sureREC-HDR-1T	sureREC-HDR-3T
4 No. of Cameras	2 weeks @ 6fps	3 weeks @ 15fps
8 No. of Cameras	1 week @ 3fps	3 weeks @ 6fps
16 No. of Cameras	1 week @ 2fps	2 weeks @ 3fps

960 x 540		
	sureREC-HDR-1T	sureREC-HDR-3T
4 No. of Cameras	3 weeks @ 6fps	5 weeks @ 15fps
8 No. of Cameras	2 weeks @ 3fps	5 weeks @ 6fps
16 No. of Cameras	2 weeks @ 2fps	3 weeks @ 3fps

640 x 360		
	sureREC-HDR-1T	sureREC-HDR-3T
4 No. of Cameras	7 weeks @ 6fps	12 weeks @ 15fps
8 No. of Cameras	4 weeks @ 3fps	11 weeks @ 6fps
16 No. of Cameras	4 weeks @ 2fps	7 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.

Mobile Monitoring on iPad, iPhone, Blackberry and Other Smartphones

The TeleEye Turnkey HD Surveillance System supports mobile video monitoring when using with TeleEye iView and M-303 Mobile Monitoring Solution. TeleEye iView or iView HD are the video surveillance apps for iPhone and iPad respectively. For Blackberry and other J2ME smartphones, TeleEye M-303 Mobile Monitoring Solution also delivers excellent remote video surveillance function.

Independent & Efficient HD Recording Stream

HD video recording usually requires high bit rate which will greatly interfere with the remote transmission simultaneously. If fast remote transmission is achieved with high compression rate, it will inevitably degrade the video recording quality.

To handle the dilemma, TeleEye had developed HD SMAC-M which is the world's first multi-stream video coder for HD video. It provides multiple independent streams covering different bit rates for HD video. With the independent HD video recording stream, TeleEye MX Series HD Video Cameras can deliver video recording at HD quality through the sureREC HD recorder.

Traditional Video Coding Technology

HD SMAC-M: Multi-stream Video Coding Technology

Outstanding Video Transmission on the Internet and Mobile Networks

HD SMAC-M has provided independent streams for video transmission on the Internet and Mobile Networks respectively. The video streams enable the MX cameras to upload video with variable bandwidth and provide optimal video transmission on the Internet and mobile network simultaneously. Users can view live HD video from MX Series Camera via LAN, broadband and mobile networks whilst recording HD video on the sureREC HD recorder.

Multiplexing 64 HD Cameras on One Screen

With the modular design of sureSIGHT Video Management Solution, it provides high flexibility on system setup and optimized viewing performance. sureSIGHT supports simultaneous monitoring of up to 64 videos on a single screen. With the assistance of siteMATRIX, sureSIGHT can even display up to 80 live videos on 4 LCD screens with 20 live videos per monitor. If the system is installed with 5 siteMATRIX workstations, the customers could display maximum of 400 live videos at the same time.