timeMAX Solution

Designed For Longer Recording Time

Flagship Solution for Longer Recording Time

TeleEye timeMAX Solution provides longer recording time and is definitely the best solution that meets a variety of your needs! With the combination of TeleEye GN6916 NVR and MP21/ MP4 Series IP Cameras, you can have the real time recording of 1080p videos for up to 120 days*.

Benefits

Powerful Storage
64 TB/ 120 days*

Excellent Video Quality
Up to WQHD

Hacker Resistant
Secure Data Transmission

Simple Configuration
All-in-One Storage System

**Remarks: (a) The estimated days were measured under 1080p in 25fps with 16 cameras. (b) Recording data with TeleEye timeMAX Solution were measured using TeleEye MP21/ MP4 IP cameras. (c) The video quality in GN was set to "medium" in all above measurements. (d) The actual recording performance may vary subject to the real environment under surveillance. (e) The above estimated recording time for timeMAX Solution was measured under office conditions.*

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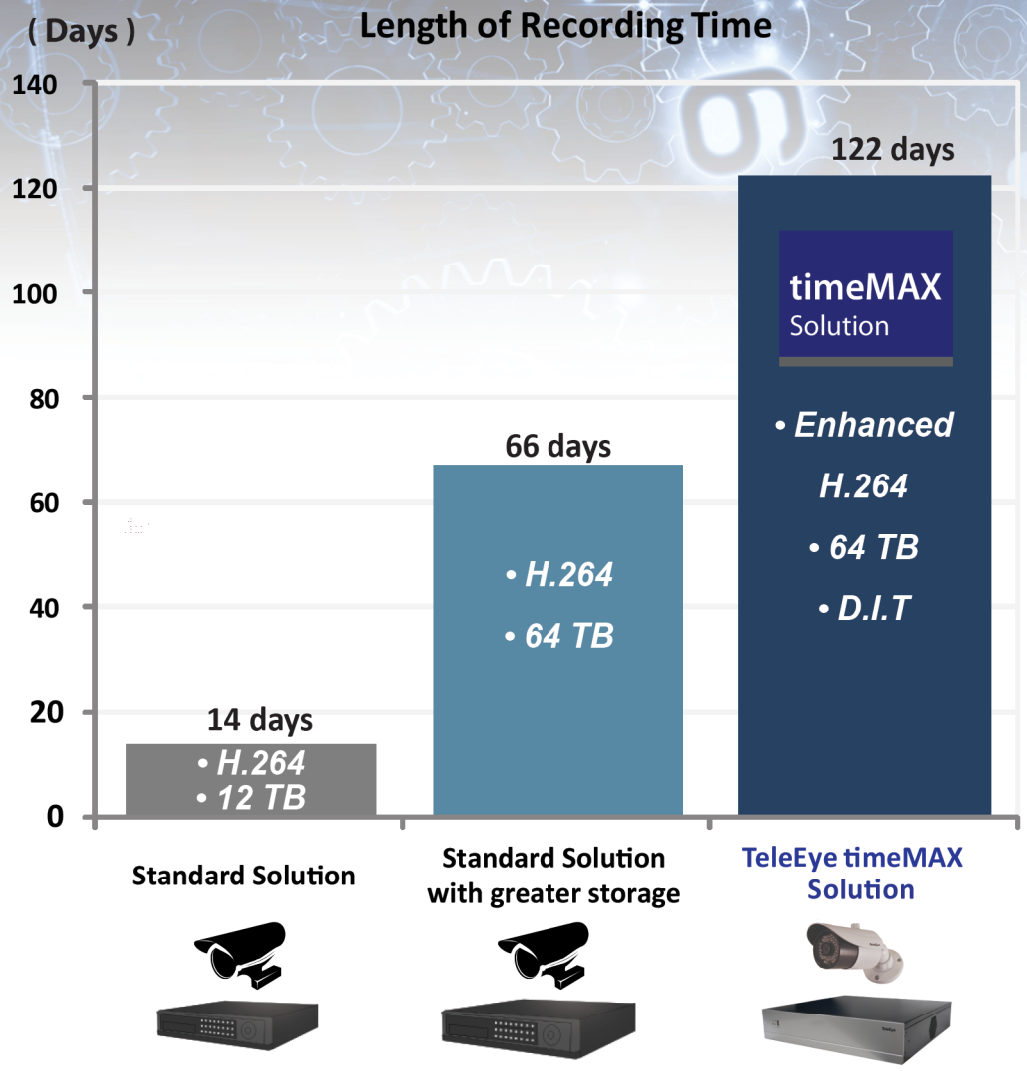
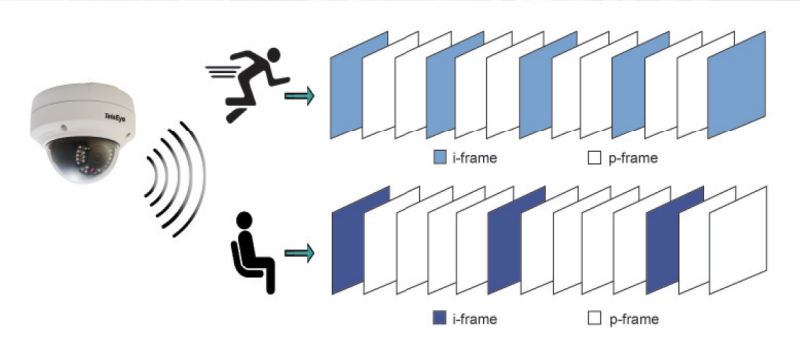


Remarks: (a) Recording data with TeleEye timeMAX Solution were measured using TeleEye MP21/ MP4 IP cameras. (b) Recording data with H.264 were measured using TeleEye MQ Series IP cameras. (c) The video quality was set to "medium" in all above measurements. (d) The actual recording performance may vary subject to the real environment under surveillance. (e) The above estimated recording time for timeMAX Solution was measured under office conditions.

Most of the digital video recorders found in the market support H.264 with storage of 12TB hard disk size, which results in a very limited length of about 2 weeks recording time. Even if some bigger recorders support greater storage as large as 64TB is installed, the maximum recording time can only be up to 2 months.

With TeleEye timeMAX Solution, you can have the longest recording time ever! 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 time 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.

TeleEye Dynamic I-frame Technology (D.I.T)



Dynamic I-frame Technology (D.I.T) is a new technology developed by TeleEye to enhance recording time by optimizing the frequency of I-frame (Intra-frame) and P-frame (Predictive frame).

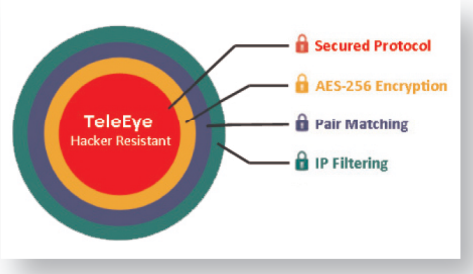
I-frame is a fully specified picture while P-frame holds only the changes in the image from the previous frame. As such, the data size of I-frame is much bigger than P-frame and therefore I-frame takes up more space on data storage.

With D.I.T, the system can intelligently do the data analysis based on the scene to adjust the frequency of I-frames and P-frames. In times of more detected motions, the frequency of I-frames will be increased automatically. Oppositely, I-frames will be decreased to save storage when fewer motions are detected. Meanwhile, the quality of the video can still remain at the best quality with fewer I-frames under TeleEye's unique technology - D.I.T.

This smart feature automatically adjusts the I-frames and P-frames in accordance to the motion sequence of the scene, enabling more data storage for a longer recording time.

Hacker Resistant

Apart from longer recording time, your security is also of our utmost concern:



Many ordinary H.264 IP cameras are proven to be insecure, where hackers are able to bypass the security and access the live video footages remotely. Data security is always an important factor in the TeleEye product design.

The TeleEye Hacker Resistant technology is incorporated in the TeleEye video surveillance solution, shielding off hackers' attacks via the Internet through 4 Layers of Protection: AES 256-bit encryption, specific IP access, secure protocol and pair matching architecture.

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Estimated Recording Time for timeMAX Solution in 1080p

Table 1

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	91days	50days	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

Remarks: (a) Recording data with TeleEye timeMAX Solution were measured using TeleEye MP21/ MP4 IP cameras. (b) Recording data with H.264 were measured using TeleEye MQ Series IP cameras. (c) The video quality in GN was set to "medium" in all above measurements. (d) The actual recording performance may vary subject to the real environment under surveillance. (e) The above estimated recording time for timeMAX Solution was measured under office conditions.

Estimated Recording Time for timeMAX Solution in WQHD

Table 2

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

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Estimated Recording Time for timeMAX Solution in 720p

Table 3

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

Remarks: (a) Recording data with TeleEye timeMAX Solution were measured using TeleEye MP21/ MP4 IP cameras. (b) Recording data with H.264 were measured using TeleEye MQ Series IP cameras. (c) The video quality in GN was set to "medium" in all above measurements. (d) The actual recording performance may vary subject to the real environment under surveillance. (e) The above estimated recording time for timeMAX Solution was measured under office conditions.

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