

2009/8/4

Software version: 3.2.0.39

Hardware specification:

HP Z800 Work station	
CPU	Xeon X5560 X2
RAM	DDR3 16G
Display	NVIDIA Quadro FX 580 (512 MB)
Ethernet	Giga Lan
Hard Disk	SAS 136Gb
OS	Vista SP1

Software configuration:

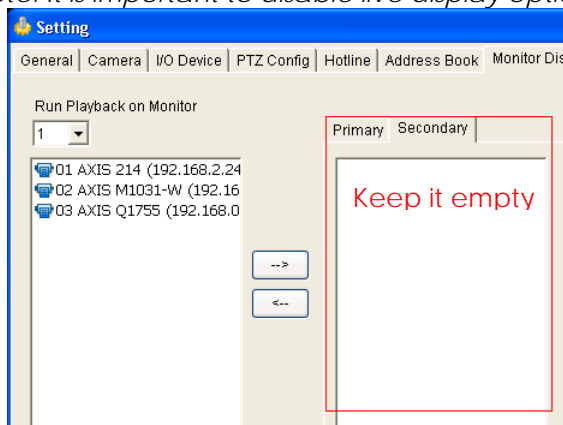
1. Disable Live Display on Main Console
2. Disable Smart Guard detection
3. Setup recording mode to Always Record without customized encoding

Test System Configuration

Camera	Format	Resolution	Frame	Bitrate	CPU usage
64 ch	H.264	2560 X 1920	10 FPS	10 MB/s	13~15%

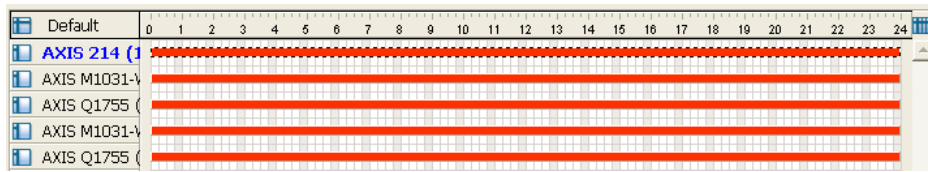
Test Scenario:

1. In new installed condition
2. Move to Config > Setting > Camera
3. Add 8 Camera
4. Move to Monitor Display Page
5. Cancel all cameras on both Primary and Secondary monitor
Note: It is important to disable live display option to save CPU usage.



6. Click OK to Save Configuration
7. Repeat step 2-6 to add up to 64 cameras
8. Move to Schedule page, check all camera setup to record on Always Record Mode
Note: The time bar should be red on Always Record Mode

2009/8/4



9. Click Start > Start Recording Schedule
10. Check the CPU usage

Note:

Please check the status of Smart Guard, start detection will raise CPU loading of Main Console system and reduce recording efficiency.

Please check the stream profile usage of Remote Live Viewer, query trans-coded profiles will raise CPU loading of Main Console system and reduce recording efficiency. For IP camera, Original and Recorded profiles are non trans-coded, other ones are trans-coded.