[FAQ]

How do I know the required hard disk space when recording video files from analog cameras?

Release Date: 10/18/2010

Applied to

GV-System of all versions Analog Cameras

Question

How do I know the required hard disk space when recording video files from analog cameras?

Answer

You can use the Hard Disk Calculator in the GV-System to know the required hard disk space and frame size for different types of codec and quality.

How to do

To start the Hard Disk Calculator function, follow the steps below:

1. On the main page of the GV-System, click the **Configure** button, point to **A/V Setting**, select **Video Attributes**, and then click **Advanced**. The Advanced Video Attributes dialog box appears.

Advanced Video Attributes	
Multicam WebCam CenterV2 Control Center	Codec Selection : Geo Mpeg4 🔻 🕼
Camera 2 I	Codec Selection : Geo Mpeg4 Compressed Image Advanced Setting
Brightness: 100 Contrast: 150 Saturation: 220 Hue: 130	Recording Quality : 4
ОК	Cancel

2. Click the **HDD Calculator** button. The HDD Calculator dialog box appears.

IDD Calculator	
Required Storage Analysis	
1. Select Camera	
2. Select Video Compression Codec :	
Software Compression Advance	ed Codec Setting
Geo Mpeg4 Geo H2	64 🕅 Geo H.264 V2
Hardware Compression	
MPEG4 - ASP THE H264	
3. Select Recording Quality :	
□ 1 □ 2 □ 3 ▼ 4 □	5
4. Set Test Time :	Total Test Time
0 Hour(s) 5 Minute(s)	-> 0 Hour(s) , 5 Minute(s)
Set Expected Recording Time	
	5 Minute(s) Calculate
0 Day(s) 0 Hour(s)	5 Minute(s) Calculate
	Exit

- **Select Camera:** Select cameras to be used for recording.
- Select Video Compression Codec: Check the desired codec(s) to be used for recording. You can choose more than one codec to compare their performance.
 - Software Compression: Check the desired codec(s) to be used for recording. You can choose more than one codec for performance comparison. This option appears dimmed when GV-4008 is installed.
 - **Hardware Compression:** Check the desired codec(s) to be used for recording. This option is available when GV-4008 is installed.
- Select Recording Quality: Check the desired quality value(s) for recording. You can choose more than one quality value for comparison.
- Set Test Time: The system will process a real-time test recording based on the time you set. For example, if you enter 24 hours here, it will take more than one day to do the test recording. So avoid entering the longer test time to save you time.
- Set Expected Recording Time: Enter the time you wish for recording.
- 3. Click the **Calculate** button and the result will be displayed after a short time.

← → C 🔇 file:///E:/DVR%20V833_Release/GV-84/Database/CodecCompare.html

Recording Camera Name :Camera 2Recording Resolution :704 x 480Test Time :0 Hour(s) 1 Minute(s)Expected Recording Time :0 Day(s) 0 Hour(s) 1 Minute(s)

No.	1
Software Codec	Geo Mpeg4
Quality	4
Required HDD Size	5.77 (MB)
Total Frame Count	1804
Average Frame Size	3.28 (KB)

Note:

- 1. A calculation difference by \pm 5 % from actual disk usage is expected.
- 2. This function is not available to the GV-NVR users.