

## How to calculate the space required for video recording

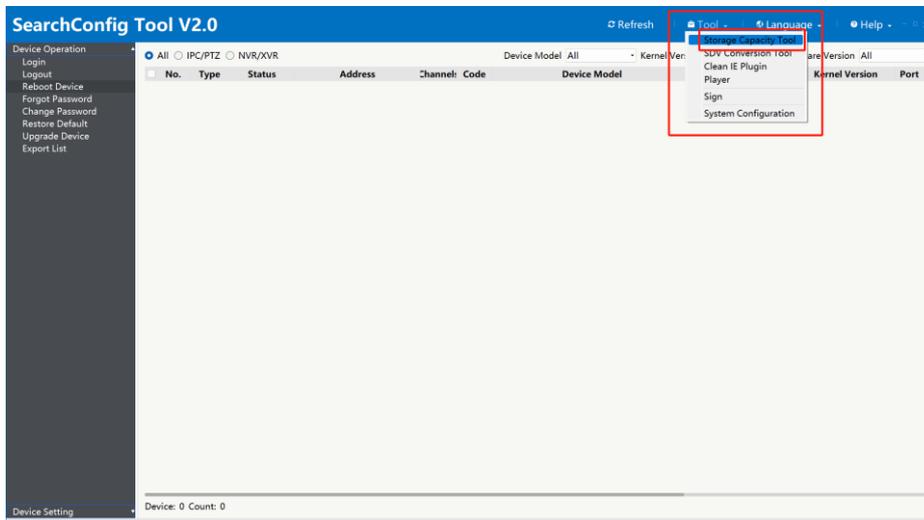
**Description:** you will know how to calculate the space required for video recording, which is very helpful when you choose the HDD

**Note:** It is just showing how many space the video recording need, in practical use, it is better to choose a bigger HDD, in case it can't meet the requirement because of the space loss of HDD

**Prerequisites:** Search config tool

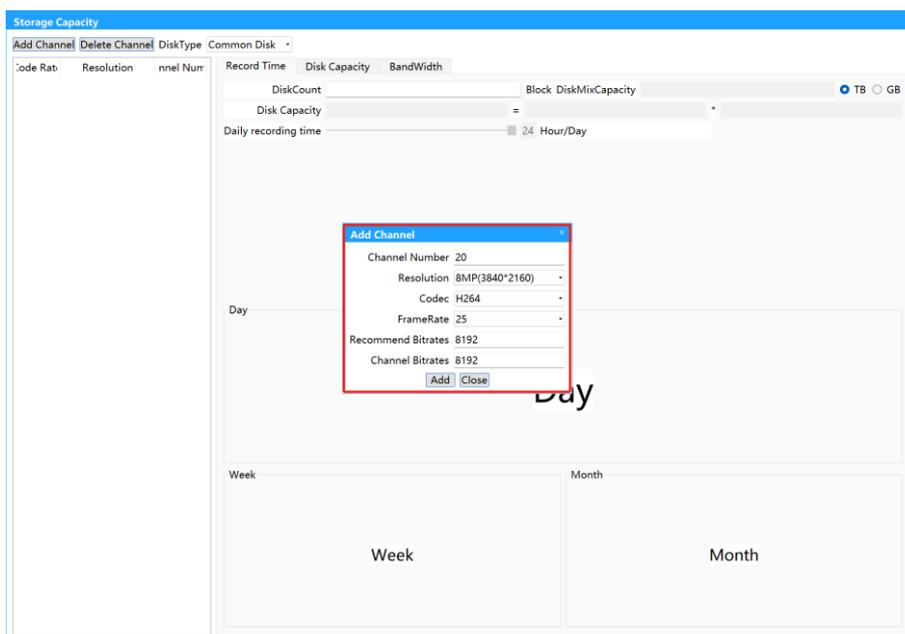
### Section 1 Calculate the recording duration based on the hard disk size

Step 1 Open Sech-Config Tool, select Tool >Storage capacity Tool

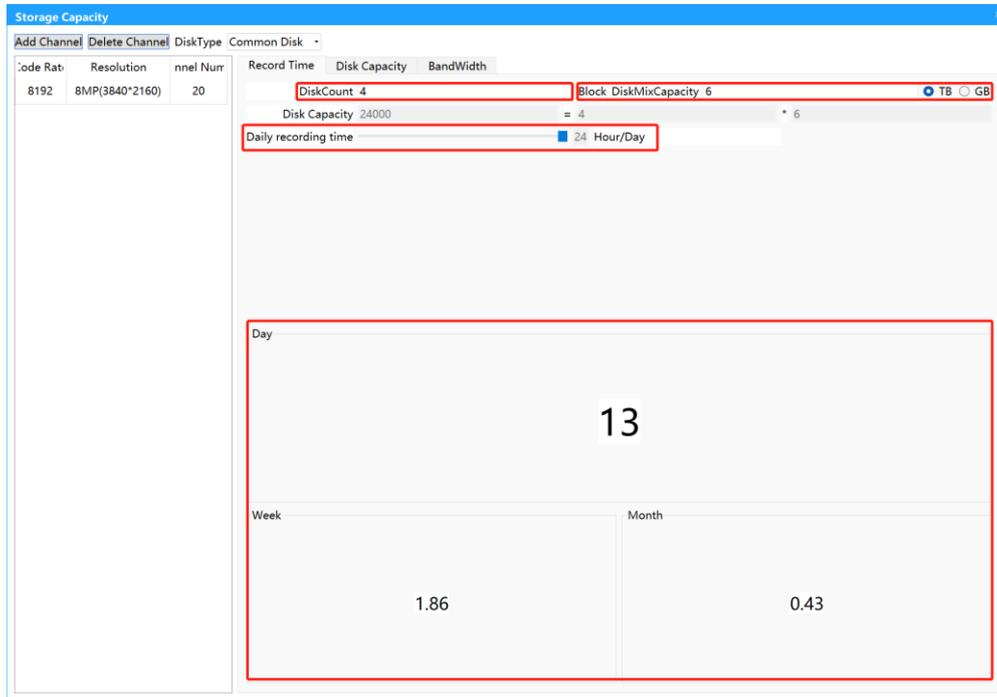


Sept2 Add the camera, input number of camera; Resolution of camera; codec and Bitrates

Note: Recommend Bitrates is suggestive value

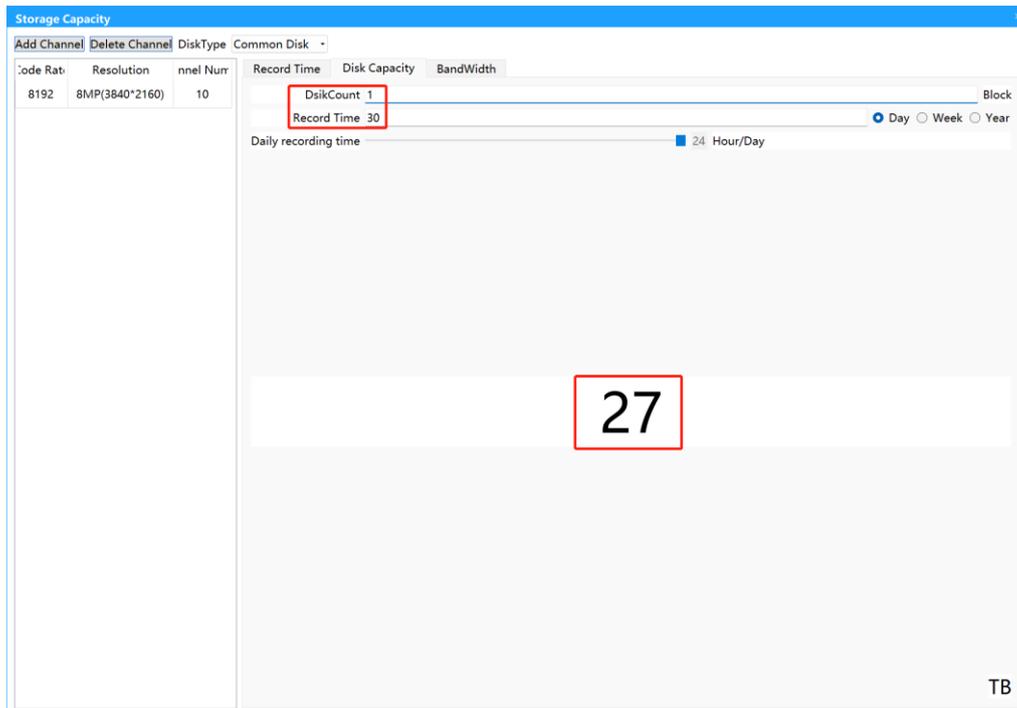


Step3 input the number of disk and daily recording time, then tool will show you the result



## Section 2 Based on the recording time calculate the space of storage

Step1 select Disk Capacity and input Disk Count as 1, input Record time then the space will show as follow



### Section 3 Calculate the bandwidth

Step 1 select Bandwidth add all the camera you have, then the whole bandwidth will show as follow

Note: what we show at here is just record bandwidth for HDD, not network bandwidth

Code	Rate	Resolution	Channel Number
8192	8MP	(3840*2160)	10
4096	1080P	(1920*1080)	10

**20**  
Channel Number

**120**  
AllBandWidth(Mbps)

### Section 4 Calculate the space when use raid

Step 1 select Disk type and choose the type you use ,then input the number and size of disk

Storage Capacity

Add Channel Delete Channel DiskType Common Disk

Code	Rate	Resolution	Channel Number	DiskType
8192	8MP	(3840*2160)	10	Raid5
8192	8MP	(3840*2160)	10	Raid5

Count: [ ] Block DiskMixCapacity: [ ]  TB  GB

time: [ ] 24 Hour/Day

Day: [ ]

Week: [ ] Month: [ ]

**Storage Capacity**

Add Channel Delete Channel DiskType Raid5

Code	Rate	Resolution	Channel Num
8192		8MP(3840*2160)	10
8192		8MP(3840*2160)	10

Record Time Disk Capacity BandWidth

DiskCount 4 Block DiskMixCapacity 6  TB  GB

Disk Capacity 24000 = 4 \* 6

Daily recording time  24 Hour/Day

Day

10

Week Month

1.43 0.33