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# 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

SearchConfig	Tool V2.0					C Refresh	I ■ Tool → I © Langua Storage Capacity Tool	ge - ∣ • Help -	
Device Operation + Login	• All O IPC/PTZ O I	NVR/XVR			Device Model All	• Kernel	Ver: SDV Conversion Tool	are Version All	•
Logout Reboot Device	No. Type	Status	Address	Channel: Code	Device N	Aodel	Clean IE Plugin Player	Kernel Version	Port
Reford Device Forger Password Charge Password Ugggde Device Export List							Sign System Configuration		
Device Setting •	Device: 0 Count: 0						_		

Sept2 Add the camera, input number of camera; Resolution of camera; codec and Bitrates Note: Recommend Bitrates is suggestive value

Add Channe	Delete Channe	el DiskType C	ommon Disk 🔹					
lode Rati	ode Rati Resolution	nnel Nurr	Record Time Disk C	apacity BandWidth				
			DiskCount		Block D	DiskMixCapacity		O TB 🔾 GE
			Disk Capacity		=		*	
			Daily recording time		24 Hou	ir/Day		
			Day	Codec FrameRate Recommend Bitrates Channel Bitrates	8MP(3840*2160) H264 25 8192	бy		
			Week			Month		
				Week			Month	



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

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dd Chani	nel Delete Channel	DiskType 0	Common Disk -			
ode Rate	Resolution	nnel Nurr	Record Time Disk Capacity BandWidth			
8192	8MP(3840*2160)	20	DiskCount 4	Block DiskMixCapacity 6		O TB 🔾
			Disk Capacity 24000	= 4	* 6	
			Daily recording time	24 Hour/Day		
			Day			
				13		
				15		
			Week	Month		
			1.86		0.43	

## 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

Storage (	Capacity				×
Add Chan	nel Delete Channe	DiskType	Common Disk 🕞		
Code Rate	Resolution	nnel Nurr	Record Time Disk Capacity BandWidth		
8192	8MP(3840*2160)	10	DsikCount 1		Block
			Record Time 30		💿 Day 🔾 Week 🔾 Year
			Daily recording time	24 Hour/Day	
				27	
				27	
					TB

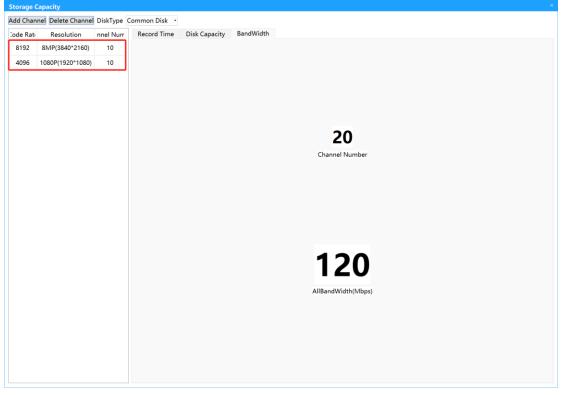


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## Section 3 Calculate the bandwidth

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



#### 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

dd Chani	nel Delete Channel	DiskType	Raid5					
de Rate		nnel Nurr		Disk Capacity	BandWidth			
	Resolution		Raid0 Raid1		Danaviati			
8192	8MP(3840*2160)	10	Raid5	Count		Block DiskMixCapacity		<b>O</b> TB 🔾 G
8192	8MP(3840*2160)	10	Raid6	pacity		-	*	
			Raid10	g time		24 Hour/Day		
			Day					
			Week			Month		



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dd Chan	nnel Delete Channe	DiskType R	aid5 •				
ode Rati	Resolution	nnel Nurr	Record Time	Disk Capacity BandWidth			
8192	8MP(3840*2160)	10	Disk	Count 4	Block DiskMixCapacity	6	💿 TB 📄 GE
8192	8MP(3840*2160)	10	Disk Ca	pacity 24000	= 4	* 6	
			Daily recording	, unc	24 Hour/Day		
			Day		10		
			Week		Month		
				1.43		0.33	