

How to choose HDD for Xenyum's DVR

1. Choose HDDs

We recommend Seagate HDD of 7200rpm or higher

2. Calculate HDD Size

➤ The XDVR has no limit to HDD capacity. You can use 120G-750G HDD to guarantee higher stability.

➤ The formula of total HDD size is:

$$\text{Total Capacity (MB)} = \text{Number of Cameras} * \text{Recording Hours} * 450 * \text{video flow (MB/s)}$$

➤ H.264 compression is ideal for standalone DVR. It can save more than 30% HDD capacity than MPEG4. When you calculate the total HD capacity, you should estimate the average HDD capacity per hour for each channel.

➤ **For example**, for a 4-ch DVR, the average capacity of HDD usage per hour per channel is 200M (CIF, 25fps). Now if you hope the DVR can record the video 12 hours each day for 30 days, the total capacity of HDDs needed is: 4 channels * 30 days * 12 hours * 200 M/h = 288G.

So you need to install one 300G HDD.

	1 day with 24 hours of surveillance	10 days with 24 hours of surveillance	20 days with 24 hours of surveillance	30 days with 24 hours of surveillance
XDVR-04	19 Go	190 Go	380 Go	570 Go
XDVR-08	38 Go	380 Go	750 Go	1,2 To
XDVR-16	75 Go	750 Go	1,5 To	2,2 To