

Storage Calculation

MDVR support dual streams.

Main stream is mainly used for local recording; Sub-stream is mainly used for network transmit or mirror recording.

Main stream:

| Resolution | Image Quality Level | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|----------------------|---------------------|------|------|------|------|------|------|-----|-----|
| Bitrate [MB/hour] | 1080P | 3600 | 3150 | 2700 | 2250 | 1800 | 1350 | 900 | 675 |
| | 720P | 1800 | 1575 | 1350 | 1125 | 900 | 675 | 450 | 351 |
| | D1 | 900 | 675 | 540 | 450 | 395 | 351 | 316 | 281 |
| | HD1 | 562 | 422 | 337 | 281 | 246 | 219 | 198 | 176 |
| | CIF | 351 | 264 | 211 | 176 | 153 | 137 | 123 | 110 |

Now take the Main-stream table for example. DEFAULT IS 1080 LEVEL 5

It is an **approximate** data for **one camera in one hour**, eg. **1080P**, if the **Quality is 1** best), from the table, the camera uses 3600mb per hour per camera, 2TB is 2,000,000 MB

On the highest **1080P** Image **level 1** quality at 3600MB per hour per camera

If you use 1 Camera

2TB HDD = 2,000,000MB / 3,600MB = **555 recording hours**

If you use 4 cameras

(4 x 3,600) 14,400MB per hour = **139 hours Driving hours**

If you change to **1080P** image **level 5** quality at 1800mb per hour per camera

If you use 1 Camera

2TB HDD = 2,000,000MB / 1,800MB = **1111 recording hours**

If you use 4 cameras

(4 x 1,800) 7,200MB per hour = **278 hours Driving hours**

If you change to **D1 CAMERA** and **image level 4** quality at 450mb per hour per camera

If you use 1 Camera

2TB HDD = 2,000,000MB / 450MB = **4444 recording hours**

If you use 4 cameras

(4 x 450) 1,800MB per hour = **1111 Driving hours**