

MDVR Storage Calculator

N9M frame calculator body { font-size: 10pt; max-width: 400px; } table { border-right: 1px solid #9393FF; border-bottom: 1px solid #9393FF; } .title0 { padding: 4px; background: #E0E0E0; border-left: 1px solid #9393FF; border-top: 1px solid #9393FF; } .title1 { padding: 4px; border-left: 1px solid #9393FF; border-top: 1px solid #9393FF; }

Note: This webpage can be saved as a local HTML to run, no network environment is required.

.c{ display:inline; }

Conditions

FrameStorage capacityChannel

Calculate

Default qualityAlarmUsed for N9M based device

Resolution

Quality12345678

Bit rate2048*1.31536*1.31280*1.31024*1.3900*1.3800*1.3720*1.3640*1.3

WD1

PN

Data size(Per hour)

Storage time

Bit rate1536*1.31280*1.31024*1.3768*1.3640*1.3560*1.3500*1.3450*1.3

WHD1

PN

Data size(Per hour)

Storage time

Bit rate1024*1.3768*1.3640*1.3512*1.3440*1.3350*1.3312*1.3280*1.3

WCIF

PN

Data size(Per hour)

Storage time

Bit rate2048153612801024900800720640

D1/VGA

PN

Data size(Per hour)

Storage time

Bit rate153612801024768640560500450

HD1

PN

Data size(Per hour)

Storage time

Bit rate1024768640512440350312280

CIF

PN

Data size(Per hour)

Storage time

	Bit rate	512	448	416	384	352	320	288	256
QCIF/QVGA P 176*144 N 160*120	Data size(Per hour) Storage time								
	Bit rate	6144	4800	4128	3456	2784	2112	1440	768
720P 1280*720	Data size(Per hour) Storage time								
	Bit rate	8192	6390	5496	4602	3708	2814	1920	1024
1080P 1920*1080	Data size(Per hour) Storage time								

1 960 Bit rate is 1.3 times the standard (D1 HD1 CIF).

2 Bit rate calculation formula for frame extraction:

PAL Achieve Bit rate=Actual frame / 25 * Full frame Bit rate * Conversion factor
Conversion factor Frame(1-5):1.4 Frame(6-11):1.3 Frame(12-17):1.2 Frame(18-22):1.1 Frame(23-25):1.0

NTSC Achieve Bit rate=Actual frame / 25 * Full frame Bit rate * Conversion factor
Conversion factor Frame(1-6):1.4 Frame(7-14):1.3 Frame(15-21):1.2 Frame(22-27):1.1 Frame(28-30):1.0

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