

Evido WR+ 2-Bay



Everything is tested only as a server with Recording on High-Res and Motion detection 30%

1 HDD installed for Storage you will have Maximum 256 Mbit/s available Bitrate on server

2 HDD installed for Storage you will have Maximum 512 Mbit/s available Bitrate on server

Metadata and Analytics will decrease the performance of the numbers above.

Using Server also as a Client will also decrease the performance of the server.

Calculation is based on 1 camera and 10 days recording. If you want to use 30days recording then multiply with 3 on Required storage.

If You also wants to have 10 cameras then multiply Require bitrate with 10 to see how much you using.

exemple row 10: 10 cameras with 8fps H.264 with 30days storage. $1,30\text{mbits/s} \times 10 = 13\text{Mbit/s}$ $0,04\text{tb} \times 3 \times 10 \text{ cameras} = 1,2\text{TB}$

<http://tools.wavevms.com/calculator/>

Row	Resolution	Primary FPS	Codec	Quality	Days to Record	Required Bitrate	Required Storage
1	D1 (720x480p) Analog	25	Mjpeg	Best	10	13,74 Mbit/s	0,42 TB
2	D1 (720x480p) Analog	25	H.264	Best	10	1,66 Mbit/s	0,05 TB
3	1,3mp (1280x720p) HD	8	H.264	Best	10	1,05 Mbit/s	0,03 TB
4	1,3mp (1280x720p) HD	12	H.264	Best	10	1,58 Mbit/s	0,05 TB
5	1,3mp (1280x720p) HD	15	H.264	Best	10	1,97 Mbit/s	0,06 TB
6	1,3mp (1280x720p) HD	18	H.264	Best	10	2,37 Mbit/s	0,07 TB
7	1,3mp (1280x720p) HD	20	H.264	Best	10	2,63 Mbit/s	0,08 TB
8	1,3mp (1280x720p) HD	25	H.264	Best	10	3,29 Mbit/s	0,10 TB
9	1,3mp (1280x720p) HD	30	H.264	Best	10	3,95 Mbit/s	0,12 TB
10	2mp (1920x1080p) FULL HD	8	H.264	High	10	1,30 Mbit/s	0,04 TB
11	2mp (1920x1080p) FULL HD	8	H.265	High	10	0,78 Mbit/s	0,02 TB
12	2mp (1920x1080p) FULL HD	8	H.264	Best	10	1,86 Mbit/s	0,06 TB
13	2mp (1920x1080p) FULL HD	8	H.265	Best	10	1,11 Mbit/s	0,03 TB
14	2mp (1920x1080p) FULL HD	12	H.264	High	10	1,95 Mbit/s	0,06 TB
15	2mp (1920x1080p) FULL HD	12	H.265	High	10	1,17 Mbit/s	0,04 TB
16	2mp (1920x1080p) FULL HD	12	H.264	Best	10	2,79 Mbit/s	0,09 TB
17	2mp (1920x1080p) FULL HD	12	H.265	Best	10	1,67 Mbit/s	0,05 TB
18	2mp (1920x1080p) FULL HD	15	H.264	High	10	2,44 Mbit/s	0,08 TB
19	2mp (1920x1080p) FULL HD	15	H.265	High	10	1,46 Mbit/s	0,05 TB
20	2mp (1920x1080p) FULL HD	15	H.264	Best	10	3,48 Mbit/s	0,11 TB

21	2mp (1920x1080p) FULL HD	15	H.265	Best	10	2,09 Mbit/s	0,06 TB
22	2mp (1920x1080p) FULL HD	20	H.264	High	10	3,25 Mbit/s	0,10 TB
23	2mp (1920x1080p) FULL HD	20	H.265	High	10	1,95 Mbit/s	0,06 TB
24	2mp (1920x1080p) FULL HD	20	H.264	Best	10	4,64 Mbit/s	0,14 TB
25	2mp (1920x1080p) FULL HD	20	H.265	Best	10	2,79 Mbit/s	0,09 TB
26	2mp (1920x1080p) FULL HD	25	H.264	High	10	4,06 Mbit/s	0,13 TB
27	2mp (1920x1080p) FULL HD	25	H.265	High	10	2,44 Mbit/s	0,08 TB
28	2mp (1920x1080p) FULL HD	25	H.264	Best	10	5,80 Mbit/s	0,18 TB
29	2mp (1920x1080p) FULL HD	25	H.265	Best	10	3,48 Mbit/s	0,11 TB
30	2mp (1920x1080p) FULL HD	30	H.264	High	10	4,87 Mbit/s	0,15 TB
31	2mp (1920x1080p) FULL HD	30	H.265	High	10	2,92 Mbit/s	0,09 TB
32	2mp (1920x1080p) FULL HD	30	H.264	Best	10	6,96 Mbit/s	0,22 TB
33	2mp (1920x1080p) FULL HD	30	H.265	Best	10	4,18 Mbit/s	0,13 TB
34	4mp (2592x1520) 2K	8	H.264	High	10	2,04 Mbit/s	0,06 TB
35	4mp (2592x1520) 2K	8	H.265	High	10	1,22 Mbit/s	0,04 TB
36	4mp (2592x1520) 2K	8	H.264	Best	10	2,91 Mbit/s	0,09 TB
37	4mp (2592x1520) 2K	8	H.265	Best	10	1,75 Mbit/s	0,05 TB
38	4mp (2592x1520) 2K	12	H.264	High	10	3,06 Mbit/s	0,09 TB
39	4mp (2592x1520) 2K	12	H.265	High	10	1,83 Mbit/s	0,06 TB
40	4mp (2592x1520) 2K	12	H.264	Best	10	4,36 Mbit/s	0,13 TB
41	4mp (2592x1520) 2K	12	H.265	Best	10	2,62 Mbit/s	0,08 TB
42	4mp (2592x1520) 2K	15	H.264	High	10	3,82 Mbit/s	0,12 TB
43	4mp (2592x1520) 2K	15	H.265	High	10	2,29 Mbit/s	0,07 TB
44	4mp (2592x1520) 2K	15	H.264	Best	10	5,46 Mbit/s	0,17 TB
45	4mp (2592x1520) 2K	15	H.265	Best	10	3,27 Mbit/s	0,10 TB
46	4mp (2592x1520) 2K	20	H.264	High	10	5,09 Mbit/s	0,16 TB
47	4mp (2592x1520) 2K	20	H.265	High	10	3,06 Mbit/s	0,09 TB
48	4mp (2592x1520) 2K	20	H.264	Best	10	7,27 Mbit/s	0,22 TB
49	4mp (2592x1520) 2K	20	H.265	Best	10	4,36 Mbit/s	0,13 TB
50	4mp (2592x1520) 2K	25	H.264	High	10	6,37 Mbit/s	0,20 TB
51	4mp (2592x1520) 2K	25	H.265	High	10	3,82 Mbit/s	0,12 TB
52	4mp (2592x1520) 2K	25	H.264	Best	10	9,09 Mbit/s	0,28 TB
53	4mp (2592x1520) 2K	25	H.265	Best	10	5,46 Mbit/s	0,17 TB

54	4mp (2592x1520) 2K	30	H.264	High	10	7,64 Mbit/s	0,24 TB
55	4mp (2592x1520) 2K	30	H.265	High	10	4,58 Mbit/s	0,14 TB
56	4mp (2592x1520) 2K	30	H.264	Best	10	10,91 Mbit/s	0,34 TB
57	4mp (2592x1520) 2K	30	H.265	Best	10	6,55 Mbit/s	0,20 TB
58	8mp (3840x2160p) 4K	8	H.264	High	10	3,43 Mbit/s	0,11 TB
59	8mp (3840x2160p) 4K	8	H.265	High	10	2,06 Mbit/s	0,06 TB
60	8mp (3840x2160p) 4K	8	H.264	Best	10	4,90 Mbit/s	0,15 TB
61	8mp (3840x2160p) 4K	8	H.265	Best	10	2,92 Mbit/s	0,09 TB
62	8mp (3840x2160p) 4K	12	H.264	High	10	5,15 Mbit/s	0,16 TB
63	8mp (3840x2160p) 4K	12	H.265	High	10	3,09 Mbit/s	0,10 TB
64	8mp (3840x2160p) 4K	12	H.264	Best	10	7,35 Mbit/s	0,23 TB
65	8mp (3840x2160p) 4K	12	H.265	Best	10	4,41 Mbit/s	0,14 TB
66	8mp (3840x2160p) 4K	15	H.264	High	10	6,43 Mbit/s	0,20 TB
67	8mp (3840x2160p) 4K	15	H.265	High	10	3,86 Mbit/s	0,12 TB
68	8mp (3840x2160p) 4K	15	H.264	Best	10	9,19 Mbit/s	0,28 TB
69	8mp (3840x2160p) 4K	15	H.265	Best	10	5,51 Mbit/s	0,17 TB
70	8mp (3840x2160p) 4K	20	H.264	High	10	8,58 Mbit/s	0,27 TB
71	8mp (3840x2160p) 4K	20	H.265	High	10	5,15 Mbit/s	0,16 TB
72	8mp (3840x2160p) 4K	20	H.264	Best	10	12,26 Mbit/s	0,38 TB
73	8mp (3840x2160p) 4K	20	H.265	Best	10	7,35 Mbit/s	0,23 TB
74	8mp (3840x2160p) 4K	25	H.264	High	10	10,72 Mbit/s	0,33 TB
75	8mp (3840x2160p) 4K	25	H.265	High	10	6,43 Mbit/s	0,20 TB
76	8mp (3840x2160p) 4K	25	H.264	Best	10	15,32 Mbit/s	0,47 TB
77	8mp (3840x2160p) 4K	25	H.265	Best	10	9,19 Mbit/s	0,28 TB
78	8mp (3840x2160p) 4K	30	H.264	High	10	12,87 Mbit/s	0,40 TB
79	8mp (3840x2160p) 4K	30	H.265	High	10	7,72 Mbit/s	0,24 TB
80	8mp (3840x2160p) 4K	30	H.264	Best	10	18,38 Mbit/s	0,57 TB
81	8mp (3840x2160p) 4K	30	H.265	Best	10	11,03 Mbit/s	0,34 TB
82	12mp (4000x3000) 4:3	8	H.264	Best	10	6,35 Mbit/s	0,20 TB
83	12mp (4000x3000) 4:3	8	H.265	Best	10	3,81 Mbit/s	0,12 TB
84	12mp (4000x3000) 4:3	12	H.264	Best	10	9,52 Mbit/s	0,29 TB
85	12mp (4000x3000) 4:3	12	H.265	Best	10	5,71 Mbit/s	0,18 TB
86	12mp (4000x3000) 4:3	15	H.264	Best	10	11,90 Mbit/s	0,37 TB

87	12mp (4000x3000) 4:3	15	H.265	Best	10	7,14 Mbit/s	0,22 TB
88	12mp (4000x3000) 4:3	20	H.264	Best	10	15,86 Mbit/s	0,49 TB
89	12mp (4000x3000) 4:3	20	H.265	Best	10	9,52 Mbit/s	0,29 TB
90	12mp (4000x3000) 4:3	25	H.264	Best	10	19,83 Mbit/s	0,61 TB
91	12mp (4000x3000) 4:3	25	H.265	Best	10	11,90 Mbit/s	0,37 TB
92	12mp (4000x3000) 4:3	30	H.264	Best	10	23,80 Mbit/s	0,74 TB
93	12mp (4000x3000) 4:3	30	H.265	Best	10	14,28 Mbit/s	0,44 TB