

## Number of pictures that can be stored on a memory device

How many pictures can my memory device hold?

**The following assumptions were made to calculate the number of images per card:**

MP = 1,000,000 pixels

1MB = 1,000,000 bytes, 1GB = 1,000MB

TIFF image has 24 bit color depth, one of 16,777,216 colors per pixel

JPEG 100% Quality = Visually lossless JPEG compression with 1:10 ratio of RAW image

Photos - **Compressed** (JPEG 100% quality) Images per card.

**NOTE:** JPEG is the most common file format for consumer cameras.

Megapixels	File size (MB)	1GB	2GB	4GB	8GB	16GB	32GB	64GB	128GB
4MP	1.2	715	1430	2861	5722	11444	22888	45776	91552
5MP	1.5	572	1144	2288	4577	9155	18310	36620	73240
6MP	1.8	476	953	1907	3814	7629	15258	30516	61032
7MP	2.1	408	817	1634	3269	6539	13078	26156	52312
8MP	2.4	357	715	1430	2861	5722	11444	22888	45776
10MP	3.0	286	572	1144	2288	4577	9155	18310	36620
12MP	3.6	238	476	953	1907	3814	7629	15258	30516
14MP	4.2	204	408	817	1634	3269	6539	13078	26156
16MP	4.8	178	357	715	1430	2861	5722	11444	22888
22MP	6.6	130	260	520	1040	2080	4161	8322	16644

Photos - **Uncompressed RAW** (24 bits per pixel) Images per card

Megapixels	File size (MB)	1GB	2GB	4GB	8GB	16GB	32GB	64GB	128GB
4MP	12.0	71	143	286	572	1144	2288	4576	9152
5MP	15.0	57	114	228	457	915	1831	3662	7324
6MP	18.0	47	95	190	381	762	1525	3050	6100
7MP	21.0	40	81	163	326	653	1307	2614	5228
8MP	24.0	35	71	143	286	572	1144	2288	4576
10MP	30.0	28	57	114	228	457	915	1830	3660
12MP	36.0	23	47	95	190	381	762	1524	3048
14MP	42.0	20	40	81	163	326	653	1306	2612
16MP	48.0	17	35	71	143	286	572	1144	2288
22MP	66.0	13	26	52	104	208	416	832	1664