

Number of Pixels & JPG Compression

Number of Pixels

More is better (size matters)

More pixels = larger prints possible
= excellent detail any size

Fewer pixels = small prints only
= lousy detail if enlarged

More pixels = high quality, great detail, larger prints

Approximate Values for Recording Pixels

Recording Pixels			Purpose* ¹
L Large	8M	3264 × 2448	Printing to about A3-size 297 × 420 mm (11.7 × 16.5 in.)
M1 Medium 1	5M	2592 × 1944	Printing to about A4-size 210 × 297 mm (8.3 × 11.7 in.) Printing to about Letter-size 216 × 279 mm (8.5 × 11 in.)
M2 Medium 2	3M	2048 × 1536	Printing to about A5-size 148 × 210 mm (6 × 8.3 in.)
M3 Medium 3	2M	1600 × 1200	Print postcard-size prints 148 × 100 mm (6 × 4 in.) Print L-size prints 119 × 89 mm (4.7 × 3.5 in.)
S Small	0.3M	640 × 480	Send images as e-mail attachments or shoot more images

High
↑
↓
Low

Fewer pixels = low quality, limited detail, small prints only

JPG Compression

Less is better




Less compression = smooth lines
= excellent detail any size

More compression = small prints only
= lousy detail if enlarged

Very little compression

Fewer images possible

Approximate Values for Compression Settings

Compression		Purpose
 Superfine	High Quality ↕ Normal	Shoot higher quality images
 Fine		Shoot normal quality images
 Normal		Shoot more images

Lots of compression

Low quality images
















Memory Cards and Estimated Capacities

: Memory card included with the camera

Best Quality

Average Quality

Lowest Quality

Recording Pixels	Compression	16 MB	SDC-128M	SDC-512MSH
L (Large) 3264 × 2448 pixels		3	35	139
		6	59	231
		13	123	479
M1 (Medium 1) 2592 × 1944 pixels		5	49	190
		9	87	339
		19	173	671
M2 (Medium 2) 2048 × 1536 pixels		8	76	295
		15	136	529
		30	269	1041
M3 (Medium 3) 1600 × 1200 pixels		13	121	471
		24	217	839
		47	411	1590
S (Small) 640 × 480 pixels		52	460	1777
		81	711	2747
		128	1118	4317

Bottom Line

More pixels and less compression =
larger prints, excellent resolution/detail,
but fewer images on the media card

Fewer pixels and more compression =
smaller prints, lousy resolution/detail,
but more images on the media card

*What are the settings
on your camera?*