



Computer Specifications for Enhanced Frame Rates*

*Applies to SPOT Insight USB 3.0 Cameras Only

SPOT Insight USB3 Cameras and Display GPU Speed Considerations

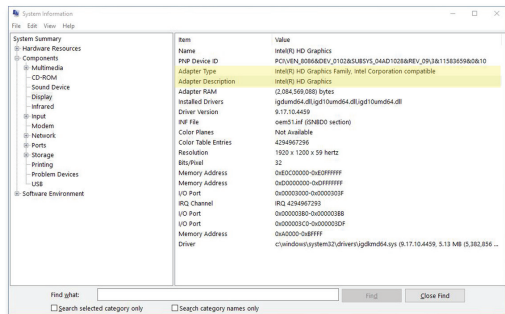
To take advantage of Enhanced Frame Rates (12 MP camera @ 29 f/s and 5 MP camera @ 67 f/s) with SPOT Insight sCMOS USB3 cameras in SPOT Software version 5.6 (and higher), you will need a decent GFLOPS rating of the computer GPU.

Use the tables on the following pages to look up the GFLOPS rating for your Intel GPU. To find GFLOPS of other GPUs, type into your internet browser the name and model number of your GPU, plus the term “GFLOPS”.

Determine what GPU the computer has:

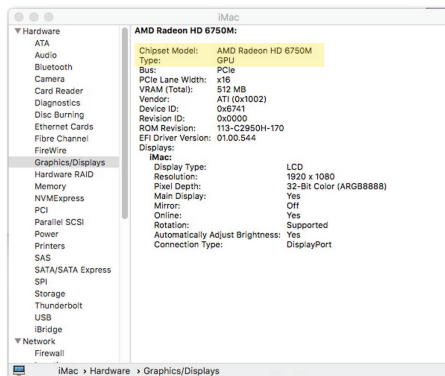
Windows:

Type “system information” into the Windows Search field. In the System Information dialog, select Components>Display>Adapter Description to find the GPU name and model number.



Mac:

Under the Apple menu, select “About this Mac”. Click “System Report”, then drill down Hardware>Graphics Displays>Chipset Model to find the GPU name and model number.



Acceptable GPU Models for Standard Frame Rates*

CPU Series	GPU Model #	Min GFLOPS	Max GFLOPS
Celeron	HD Graphics	43.2	43.2
Pentium	HD Graphics	3.2	43.2
Core	HD Graphics	43.2	43.2
Sandy Bridge	HD Graphics	96	96
Ivy Bridge	HD Graphics	100.8	100.8
Ivy Bridge	HD Graphics 2500	110.4	110.4
Gemini Lake	UHD Graphics 600 /GPU-N4000	38	124
Sandy Bridge	HD Graphics 2000	129.6	129.6
Gemini Lake	UHD Graphics 600 /GPU-N4100	38	134
Gemini Lake	UHD Graphics 600 /GPU-J4005	48	134
Gemini Lake	UHD Graphics 600 /GPU-J4105	48	144
Broadwell	HD Graphics	163.2	163.2
Skylake	HD Graphics 510	182.4	182.4
Haswell	HD Graphics	184	184
KabyRF /Coffee Lake	UHD Graphics 610	201	201
Kaby /Amber Lake	HD Graphics 610	172	211
Gemini Lake	UHD Graphics 605 /GPU-N5000	57	216
Gemini Lake	UHD Graphics 605 /GPU-J5005	72	230
Sandy Bridge	HD Graphics 3000	259.2	259.2
Haswell	HD Graphics 4200	272	272
Braswell	E8000	320	320
Ivy Bridge	HD Graphics 4000	32.8	332.8
Broadwell	HD Graphics 5300	345.6	345.6
Broadwell	HD Graphics 5500	364.8	364.8
Haswell	HD Graphics 4400	304	368
Broadwell	HD Graphics P5700	384	384
Skylake	HD Graphics 515	384	384

*Typical frame rates with adequate light intensity (full chip): 12 MP camera @ 10 f/s | 5 MP camera @ 25 f/s

Acceptable GPU Models for Enhanced Frame Rates*

CPU Series	GPU Model #	Min GFLOPS	Max GFLOPS
Haswell	HD Graphics P4600	384	400
Kaby /Amber Lake	HD Graphics 615	345	403
Kaby /Amber Lake	HD Graphics 620	384	403
Broadwell	HD Graphics 5600	403.2	403.2
Skylake	HD Graphics 520	403.2	403.2
Haswell	HD Graphics P4700	400	416
Haswell	HD Graphics 4600	288	432
Kaby /Amber Lake	HD Graphics 630	384	441
KabyRF /Coffee Lake	UHD Graphics 620	422	441
Skylake	HD Graphics 530	441.6	441.6
Skylake	HD Graphics P530	441.6	441.6
KabyRF /Coffee Lake	UHD Graphics 630	404	460
Apollo Lake	E3930	400	550
Braswell	N30xx	320	600
Apollo Lake	E3940	400	600
Braswell	N31xx	320	640
Apollo Lake	N3350	200	650
Apollo Lake	E3950	500	650
Braswell	J3xxx	320	700
Braswell	n37xx	400	700
Apollo Lake	N3450	200	700
Apollo Lake	J3355	250	700
Haswell	HD Graphics 5000	640	704
Braswell	J37xx	400	740
Apollo Lake	J3455	250	750
Apollo Lake	N4200	200	750
Haswell	Iris Graphics 5100	7048	768
Broadwell	HD Graphics 6000	768	768
Skylake	Iris ProGraphics P555	768	768
Apollo Lake	J4205	250	800
Kaby /Amber Lake	Iris Plus Graphics 640	7296	806
Skylake	Iris Graphics 540	806.4	806.4
Haswell	Iris ProGraphics 5200	832	832
Broadwell	Iris Graphics 6100	844.8	844.8
Skylake	Iris Graphics 550	844.8	844.8
Kaby /Amber Lake	Iris Plus Graphics 650	806	883
Broadwell	Iris ProGraphics 2200	883.2	883.2
Broadwell	HD Graphics P6300	883.2	883.2
KabyRF /Coffee Lake	Iris Plus Graphics 655	806	921
Skylake	Iris ProGraphics 580	1152	1152
Skylake	Iris ProGraphics P580	1152	1152

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6540 Burroughs Avenue • Sterling Heights • MI • 48314-2133
Toll free: **866.604.SPOT** • Phone: **586.731.6000** • Fax: **586.731.6469**
www.spotimaging.com