name	flower_inceptionv3			flower_mobilenet_v1													flower_mobilenet_v2																	
net size (%)				100						75							140			100						75								
input size	299			224			128			224			128				224			224			128			96			224			128		
run	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
Nexus 4																																		
bottlenecks (t)	14527.36786	14706.53253	19120.93021	3349.442474	3347.822449	3308.929657	1399.45581	1540.825745	1268.540863	3637.167755	3287.802337	3802.942016	1476.392792	1451.628998	1565.596344		7926.90326	7395.571534	7669.816192	5009.487793	4890.397949	5342.205505	2001.199829	1961.881714	2232.653717	1298.658661	1123.352753	1151.081543	5052.560303	4685.773529	4725.766449	1866.936218	1947.291901	1752.544434
bottlenecks (t avg)	16118.2768656667			3335.39819333333			1402.940806			3575.97070266667			1497.87271133333				7664.09699533333			5080.69708233333			2065.24508666667			1191.03098566667			4821.36676033333			1855.590851		
training (t)	853.936126	987.487396	1077.779602	528.550598	517.964691	507.460419	520.917816	485.866791	509.219055	430.757568	429.830108	419.963653	416.735718	419.798157	418.375885		895.281494	795.199249	748.167053	626.740936	556.380249	656.012421	664.293701	607.335114	589.542694	659.87323	528.961762	530.777863	654.683563	631.722412	575.422302	667.246673	609.614593	572.202912
training (t avg)	973.067708			517.991902666667			505.334554			426.850443			418.303253333333				812.882598666667			613.044535333333			620.390503			573.204285			620.609425666667			616.354726		
eval (t)	280.246949	293.486512	328.116333	97.246369	97.159484	96.855621	98.386139	96.504364	96.128295	97.579742	97.046814	96.441711	97.262603	96.659027	97.397126		203.629181	190.602753	183.69925	192.110474	190.163452	203.156372	202.74112	190.590271	169.368225	201.073394	168.895111	169.982025	201.315765	187.780731	180.832734	184.145386	189.119934	178.955048
eval (t avg)	300.616598			97.087158			97.006266			97.0227556666667			97.106252				192.643728			195.143432666667			187.566538666667			179.98351			189.97641			184.073456		
accuracy eval	88.10%	88.10%	87.80%	91.20%	90.90%	91.20%	90.90%	90.70%	91.20%	90.10%	90.40%	90.10%	88.70%	88.70%	89.00%		90.40%	90.90%	91.20%	90.40%	90.40%	90.40%	87.30%	87.00%	86.70%	87.00%	85.80%	86.40%	90.10%	91.20%	90.40%	87.50%	87.80%	88.40%
Nexus 6p																																		
bottlenecks (t)	7543.780281	7606.809159	7793.799608	1718.609547	1720.740768	1709.616364	882.399181	912.322123	945.68475	1595.582462	1620.548046	1621.440449	895.679585	918.528917	892.030574		3203.715305	3269.85257	3284.325309	2355.373914	2349.995535	2339.254631	1414.846863	1430.651795	1428.631973	893.147971	893.626593	925.382074	2163.161135	2106.823514	2124.613915	1290.488858	1170.04065	1109.851071
bottlenecks (t avg)	7648.12968266667			1716.32222633333			913.468684666667			1612.52365233333			902.079692				3252.63106133333			2348.20802666667			1424.71021033333			904.052212666667			2131.53285466667			1190.12685966667		
training (t)	440.755518	478.381551	468.383917	254.252331	262.38181	282.832131	256.817637	259.093259	288.111969	216.406424	225.677248	224.246414	201.506627	224.967193	225.948816		378.836607	396.48272	407.495574	303.01162	312.95494	317.917793	277.688589	297.075796	312.071498	277.012099	280.206974	307.488826	320.006873	321.872357	317.922333	309.49335	284.769684	231.071608
training (t avg)	462.506995333333			266.488757333333			268.007621666667			222.110028666667			217.474212				394.271633666667			311.294784333333			295.611961			288.235966333333			319.933854333333			275.111547333333		
eval (t)	117.964633	115.19422	113.887311	35.45191	36.58798	36.621436	34.258693	36.222344	36.165592	33.565824	36.633784	36.842019	33.96522	35.87988	36.360527		73.330437	71.521631	71.481385	66.888549	72.012687	71.586357	66.331666	67.345221	71.567178	64.62468	67.67853	70.757968	73.256441	69.722152	71.19305	71.009824	67.305285	51.905095
eval (t avg)	115.682054666667			36.220442			35.5488763333333			35.6805423333333			35.4018756666667				72.111151			70.162531			68.4146883333333			67.6870593333333			71.3905476666667			63.4067346666667		
accuracy eval	88.70%	88.10%	87.50%	90.70%	91.20%	91.20%	91.20%	91.20%	91.50%	89.80%	90.10%	90.40%	89.00%	89.00%	89.20%		90.40%	90.70%	89.80%	89.80%	90.70%	90.10%	86.10%	86.70%	86.40%	87.00%	85.60%	85.60%	91.20%	90.70%	90.10%	87.50%	87.30%	87.00%
Odroid HC1																																		
bottlenecks (t)	4376.683638	4412.104337	4284.72332	1037.018577	1026.671485	1032.536574	507.980877	510.755608	509.723489	999.918553	1009.615597	1009.314889	511.346212	506.427146	502.473301		2071.351468	2082.992693	2098.936605	1354.185307	1400.023777	1389.933708	711.835128	723.237446	736.495842	456.212746	462.85104	465.201082	1269.456013	1270.05996	1268.127824	622.710058	617.34738	615.236975
bottlenecks (t avg)	4357.83709833333			1032.07554533333			509.486658			1006.283013			506.748886333333				2084.426922			1381.38093066667			723.856138666667			461.421622666667			1269.214599			618.431471		
training (t)	294.316616	299.068879	300.667916	170.687172	165.270226	169.267842	162.494815	167.277579	161.059916	136.986894	137.302108	135.425887	134.100285	136.174713	137.827795		253.652344	249.479642	251.509366	198.588683	204.126768	198.274456	196.021526	199.838208	194.355269	189.967385	193.407709	192.491804	202.592083	205.276377	197.878268	193.260049	194.347715	191.186252
training (t avg)	298.017803666667			168.408413333333			163.61077			136.571629666667			136.034264333333				251.547117333333			200.329969			196.738334333333			191.955632666667			201.915576			192.931338666667		
eval (t)	91.432927	92.916601	92.154599	30.145998	30.154409	30.049762	29.993019	30.086937	30.041224	30.491317	29.863684	29.774923	29.705992	30.189141	29.781936		59.17241	59.68988	59.240646	58.542993	59.515394	58.93039	58.880936	59.617172	58.926093	59.206571	59.273213	59.098737	59.779825	59.308339	59.548964	58.889699	59.680496	59.531154
eval (t avg)	92.1680423333333			30.116723			30.0403933333333			30.043308			29.8923563333333				59.3676453333333			58.996259			59.1414003333333			59.1928403333333			59.5457093333333			59.3671163333333		
accuracy eval	88.40%	88.10%	88.10%	90.90%	91.20%	90.70%	91.20%	91.50%	90.70%	90.10%	90.40%	89.80%	89.00%	89.00%	89.50%		90.40%	90.90%	91.50%	90.70%	90.90%	90.40%	86.70%	87.00%	86.70%	86.10%	86.70%	87.00%	90.70%	91.80%	90.90%	87.80%	87.50%	87.80%
RPi3 B																																		
bottlenecks (t)	14316.36922	14383.03377	14314.76483	3191.712654	3179.381201	3200.22228	1764.49187	1756.636168	1767.579202	3185.516137	3206.461091	3181.516416	1698.252185	1698.903889	1705.772975		6419.371434	6381.823294	6400.232153	4551.79833	4559.663456	4551.652672	2445.192152	2439.011788	2442.074493	1704.120117	1679.250208	1699.923908	4001.323369	4000.986823	4018.904598	2104.404303	2077.188487	2083.889207
bottlenecks (t avg)	14338.0559386667			3190.43871166667			1762.90241333333			3191.164548			1700.97634966667				6400.475627			4554.371486			2442.092811			1694.431411			4007.07159666667			2088.493999		
training (t)	1506.989116	1538.296112	1514.483014	811.852276	822.524614	821.631697	805.339019	802.069655	811.872513	649.976648	653.930364	648.132196	649.860113	649.700172	651.80409		1319.698862	1340.826094	1313.364802	988.904249	1007.11193	1008.320606	984.944209	975.262461	996.030092	966.261674	973.221215	988.338176	997.064746	1000.118588	990.86096	975.633668	986.598333	981.274589
training (t avg)	1519.92274733333			818.669529			806.427062333333			650.679736			650.454791666667				1324.62991933333			1001.445595			985.412254			975.940355			996.014764666667			981.168863333333		
eval (t)	348.841327	355.778169	346.362053	114.744739	117.227462	113.70934	113.537218	116.79421	112.53759	113.630969	113.469637	113.984255	116.653103	114.847578	111.372489		225.612797	222.119693	222.224375	223.354774	222.146086	224.027581	221.934556	226.34418	222.317482	226.824869	223.367575	224.682492	221.667245	221.210781	220.919086	225.8339	223.311501	220.901426
eval (t avg)	350.327183			115.227180333333			114.289672666667			113.694953666667			114.291056666667				223.318955			223.176147			223.532072666667			224.958312			221.265704			223.348942333333		
accuracy eval	87.80%	87.80%	87.50%	91.20%	91.50%	90.40%	91.50%	90.70%	91.50%	90.40%	90.70%	90.40%	89.20%	89.20%	89.20%		90.40%	90.70%	90.10%	90.70%	90.90%	89.80%	87.00%	86.70%	85.60%	86.40%	86.40%	86.40%	90.90%	90.10%	90.70%	87.80%	87.00%	87.30%

bottleneck file size (bytes)	81063388			35284181			30352515			26419545			22797368				56616594			40484050			34678515			32413668			38893932			32819029		
bottleneck file size (avg)	22088.1166212534			9614.21825613079			8270.44005449591			7198.78610354223			6211.81689373297				15426.8648501362			11031.0762942779			9449.18664850136			8832.0621253406			10597.8016348774			8942.51471389646		

flower dataset

filecount	3670
total size (bytes)	232870184
filetype	jpg
files per class (avg count)	734
files per class (std)	113.1326655
class count	5
file size (avg bytes)	63452.36621
file size (avg kbytes)	61.96520138

filecounts:

daisy	633
dandelion	898
roses	641
sunflowers	699
tulips	799

test accuracy (avg)

inceptionv3	88.00%
mobilenet_v1_100_224	91.03%
mobilenet_v1_100_128	91.15%
mobilenet_v1_075_224	90.23%
mobilenet_v1_075_128	89.06%
mobilenet_v2_140_224	90.62%
mobilenet_v2_100_224	90.43%
mobilenet_v2_100_128	86.66%
mobilenet_v2_100_96	86.37%
mobilenet_v2_075_224	90.73%
mobilenet_v2_075_128	87.56%