

landmark-float32

Op	float32 time(ms)	int8 time(ms)	feature map	in	out	kernel	stride
Scale	0.0547	0.05030.0547	feature_map: 48 x 48	inch: 32	outch: 32		
ReLU	0.042	0.03570.042	feature_map: 48 x 48	inch: 32	outch: 32		
ConvolutionDepthWise	0.2197	0.57870.2197	feature_map: 48 x 48	inch: 32	outch: 32		
BatchNorm	0.0866	0.05870.0866	feature_map: 48 x 48	inch: 32	outch: 32		
Scale	0.0622	0.04540.0622	feature_map: 48 x 48	inch: 32	outch: 32		
ReLU	0.0577	0.03690.0577	feature_map: 48 x 48	inch: 32	outch: 32		
Convolution	0.4567	0.37330.4567	feature_map: 48 x 48	inch: 32	outch: 16	kernel: 1 x 1	stride: 1 x 1
BatchNorm	0.0701	0.04460.0701	feature_map: 48 x 48	inch: 16	outch: 16		
Scale	0.0471	0.05040.0471	feature_map: 48 x 48	inch: 16	outch: 16		
Convolution	0.316	0.36110.316	feature_map: 48 x 48	inch: 16	outch: 32	kernel: 1 x 1	stride: 1 x 1
BatchNorm	0.0633	0.05450.0633	feature_map: 48 x 48	inch: 32	outch: 32		
Scale	0.0576	0.05360.0576	feature_map: 48 x 48	inch: 32	outch: 32		
ReLU	0.0564	0.0370.0564	feature_map: 48 x 48	inch: 32	outch: 32		
ConvolutionDepthWise	0.1743	0.32450.1743	feature_map: 48 x 48	inch: 32	outch: 32		
BatchNorm	0.0454	0.03770.0454	feature_map: 24 x 24	inch: 32	outch: 32		

Scale	0.0381	0.03460.0381	feature_map: 24 x 24	inch: 32	outch: 32		
ReLU	0.0269	0.02620.0269	feature_map: 24 x 24	inch: 32	outch: 32		
Convolution	0.1743	0.20260.1743	feature_map: 24 x 24	inch: 32	outch: 32	kernel: 1 x 1	stride: 1 x 1
BatchNorm	0.0339	0.03940.0339	feature_map: 24 x 24	inch: 32	outch: 32		
Scale	0.0326	0.02580.0326	feature_map: 24 x 24	inch: 32	outch: 32		
Split	0.0006	0.00.0006					
Convolution	0.2322	0.25510.2322	feature_map: 24 x 24	inch: 32	outch: 64	kernel: 1 x 1	stride: 1 x 1
BatchNorm	0.0397	0.03960.0397	feature_map: 24 x 24	inch: 64	outch: 64		
Scale	0.0331	0.0370.0331	feature_map: 24 x 24	inch: 64	outch: 64		
ReLU	0.0316	0.03660.0316	feature_map: 24 x 24	inch: 64	outch: 64		
ConvolutionDepthWise	0.1522	0.37760.1522	feature_map: 24 x 24	inch: 64	outch: 64		
BatchNorm	0.043	0.03850.043	feature_map: 24 x 24	inch: 64	outch: 64		
Scale	0.0336	0.04380.0336	feature_map: 24 x 24	inch: 64	outch: 64		
ReLU	0.0338	0.03410.0338	feature_map: 24 x 24	inch: 64	outch: 64		
Convolution	0.244	0.27160.244	feature_map: 24 x 24	inch: 64	outch: 32	kernel: 1 x 1	stride: 1 x 1
BatchNorm	0.0353	0.03290.0353	feature_map: 24 x 24	inch: 32	outch: 32		
Scale	0.0263	0.02590.0263	feature_map: 24 x 24	inch: 32	outch: 32		
Eltwise	0.0385	0.04580.0385					

Convolution	0.2692	0.29290.2692	feature_map: 24 x 24	inch: 32	outch: 96	kernel: 1 x 1	stride: 1 x 1
BatchNorm	0.0501	0.04750.0501	feature_map: 24 x 24	inch: 96	outch: 96		
Scale	0.0465	0.04220.0465	feature_map: 24 x 24	inch: 96	outch: 96		
ReLU	0.0426	0.03660.0426	feature_map: 24 x 24	inch: 96	outch: 96		
ConvolutionDepthWise	0.1451	0.34990.1451	feature_map: 24 x 24	inch: 96	outch: 96		
BatchNorm	0.0332	0.03090.0332	feature_map: 12 x 12	inch: 96	outch: 96		
Scale	0.0267	0.02940.0267	feature_map: 12 x 12	inch: 96	outch: 96		
ReLU	0.0273	0.02510.0273	feature_map: 12 x 12	inch: 96	outch: 96		
Convolution	0.2042	0.20780.2042	feature_map: 12 x 12	inch: 96	outch: 64	kernel: 1 x 1	stride: 1 x 1
BatchNorm	0.0244	0.02910.0244	feature_map: 12 x 12	inch: 64	outch: 64		
Scale	0.0254	0.02570.0254	feature_map: 12 x 12	inch: 64	outch: 64		
Split	0.0012	0.00.0012					
Convolution	0.2507	0.30020.2507	feature_map: 12 x 12	inch: 64	outch: 192	kernel: 1 x 1	stride: 1 x 1
BatchNorm	0.0351	0.03690.0351	feature_map: 12 x 12	inch: 192	outch: 192		
Scale	0.0352	0.03450.0352	feature_map: 12 x 12	inch: 192	outch: 192		
ReLU	0.0287	0.03220.0287	feature_map: 12 x 12	inch: 192	outch: 192		
ConvolutionDepthWise	0.1434	0.44730.1434	feature_map: 12 x 12	inch: 192	outch: 192		
BatchNorm	0.0423	0.04440.0423	feature_map: 12 x 12	inch: 192	outch: 192		

Scale	0.0384	0.03310.0384	feature_map: 12 x 12	inch: 192	outch: 192		
ReLU	0.0261	0.02520.0261	feature_map: 12 x 12	inch: 192	outch: 192		
Convolution	0.3011	0.29620.3011	feature_map: 12 x 12	inch: 192	outch: 64	kernel: 1 x 1	stride: 1 x 1
BatchNorm	0.0256	0.03140.0256	feature_map: 12 x 12	inch: 64	outch: 64		
Scale	0.0282	0.02760.0282	feature_map: 12 x 12	inch: 64	outch: 64		
Eltwise	0.032	0.03410.032					
Split	0.0003	0.00010.0003					
Convolution	0.2474	0.30030.2474	feature_map: 12 x 12	inch: 64	outch: 192	kernel: 1 x 1	stride: 1 x 1
BatchNorm	0.034	0.0350.034	feature_map: 12 x 12	inch: 192	outch: 192		
Scale	0.0387	0.03460.0387	feature_map: 12 x 12	inch: 192	outch: 192		
ReLU	0.0295	0.03470.0295	feature_map: 12 x 12	inch: 192	outch: 192		
ConvolutionDepthWise	0.1403	0.440.1403	feature_map: 12 x 12	inch: 192	outch: 192		
BatchNorm	0.0404	0.04460.0404	feature_map: 12 x 12	inch: 192	outch: 192		
Scale	0.036	0.03570.036	feature_map: 12 x 12	inch: 192	outch: 192		
ReLU	0.0306	0.0260.0306	feature_map: 12 x 12	inch: 192	outch: 192		
Convolution	0.2873	0.29260.2873	feature_map: 12 x 12	inch: 192	outch: 64	kernel: 1 x 1	stride: 1 x 1
BatchNorm	0.0241	0.03050.0241	feature_map: 12 x 12	inch: 64	outch: 64		
Scale	0.0272	0.02740.0272	feature_map: 12 x 12	inch: 64	outch: 64		

Eltwise	0.0339	0.03290.0339					
Convolution	0.2419	0.30070.2419	feature_map: 12 x 12	inch: 64	outch: 192	kernel: 1 x 1	stride: 1 x 1
BatchNorm	0.0328	0.03620.0328	feature_map: 12 x 12	inch: 192	outch: 192		
Scale	0.0339	0.03610.0339	feature_map: 12 x 12	inch: 192	outch: 192		
ReLU	0.0278	0.02910.0278	feature_map: 12 x 12	inch: 192	outch: 192		
ConvolutionDepthWise	0.1384	0.34760.1384	feature_map: 12 x 12	inch: 192	outch: 192		
BatchNorm	0.0291	0.02720.0291	feature_map: 6 x 6	inch: 192	outch: 192		
Scale	0.0232	0.02720.0232	feature_map: 6 x 6	inch: 192	outch: 192		
ReLU	0.0235	0.0280.0235	feature_map: 6 x 6	inch: 192	outch: 192		
Convolution	0.1444	0.16940.1444	feature_map: 6 x 6	inch: 192	outch: 68	kernel: 1 x 1	stride: 1 x 1
BatchNorm	0.027	0.03030.027	feature_map: 6 x 6	inch: 68	outch: 68		
Scale	0.0222	0.02730.0222	feature_map: 6 x 6	inch: 68	outch: 68		
Split	0.0004	0.00010.0004					
Convolution	0.1275	0.20940.1275	feature_map: 6 x 6	inch: 68	outch: 204	kernel: 1 x 1	stride: 1 x 1
BatchNorm	0.0262	0.03110.0262	feature_map: 6 x 6	inch: 204	outch: 204		
Scale	0.0318	0.02770.0318	feature_map: 6 x 6	inch: 204	outch: 204		
ReLU	0.0228	0.02280.0228	feature_map: 6 x 6	inch: 204	outch: 204		
ConvolutionDepthWise	0.0858	0.3220.0858	feature_map: 6 x 6	inch: 204	outch: 204		

BatchNorm	0.0255	0.02840.0255	feature_map: 6 x 6	inch: 204	outch: 204		
Scale	0.0238	0.02850.0238	feature_map: 6 x 6	inch: 204	outch: 204		
ReLU	0.0274	0.02820.0274	feature_map: 6 x 6	inch: 204	outch: 204		
Convolution	0.1428	0.1740.1428	feature_map: 6 x 6	inch: 204	outch: 68	kernel: 1 x 1	stride: 1 x 1
BatchNorm	0.0246	0.03260.0246	feature_map: 6 x 6	inch: 68	outch: 68		
Scale	0.0237	0.02820.0237	feature_map: 6 x 6	inch: 68	outch: 68		
Eltwise	0.025	0.0220.025					
Split	0.0001	0.00.0001					
Convolution	0.1317	0.22450.1317	feature_map: 6 x 6	inch: 68	outch: 204	kernel: 1 x 1	stride: 1 x 1
BatchNorm	0.0243	0.02950.0243	feature_map: 6 x 6	inch: 204	outch: 204		
Scale	0.0293	0.02740.0293	feature_map: 6 x 6	inch: 204	outch: 204		
ReLU	0.0226	0.02440.0226	feature_map: 6 x 6	inch: 204	outch: 204		
ConvolutionDepthWise	0.0825	0.31770.0825	feature_map: 6 x 6	inch: 204	outch: 204		
BatchNorm	0.0287	0.03040.0287	feature_map: 6 x 6	inch: 204	outch: 204		
Scale	0.0273	0.02490.0273	feature_map: 6 x 6	inch: 204	outch: 204		
ReLU	0.0252	0.02430.0252	feature_map: 6 x 6	inch: 204	outch: 204		
Convolution	0.145	0.17740.145	feature_map: 6 x 6	inch: 204	outch: 68	kernel: 1 x 1	stride: 1 x 1
BatchNorm	0.0253	0.03030.0253	feature_map: 6 x 6	inch: 68	outch: 68		

Scale	0.0238	0.02730.0238	feature_map: 6 x 6	inch: 68	outch: 68		
Eltwise	0.0259	0.02620.0259					
Convolution	0.1316	0.24990.1316	feature_map: 6 x 6	inch: 68	outch: 204	kernel: 1 x 1	stride: 1 x 1
BatchNorm	0.0217	0.03280.0217	feature_map: 6 x 6	inch: 204	outch: 204		
Scale	0.0251	0.02310.0251	feature_map: 6 x 6	inch: 204	outch: 204		
ReLU	0.0244	0.02240.0244	feature_map: 6 x 6	inch: 204	outch: 204		
ConvolutionDepthWise	0.0894	0.31560.0894	feature_map: 6 x 6	inch: 204	outch: 204		
BatchNorm	0.026	0.02710.026	feature_map: 6 x 6	inch: 204	outch: 204		
Scale	0.0305	0.02930.0305	feature_map: 6 x 6	inch: 204	outch: 204		
ReLU	0.0245	0.02940.0245	feature_map: 6 x 6	inch: 204	outch: 204		
Convolution	0.1766	0.22960.1766	feature_map: 6 x 6	inch: 204	outch: 128	kernel: 1 x 1	stride: 1 x 1
BatchNorm	0.0256	0.03090.0256	feature_map: 6 x 6	inch: 128	outch: 128		
Scale	0.0217	0.02410.0217	feature_map: 6 x 6	inch: 128	outch: 128		
Split	0.0006	0.00010.0006					
Convolution	0.2398	0.35640.2398	feature_map: 6 x 6	inch: 128	outch: 384	kernel: 1 x 1	stride: 1 x 1
BatchNorm	0.0258	0.03420.0258	feature_map: 6 x 6	inch: 384	outch: 384		
Scale	0.0299	0.0280.0299	feature_map: 6 x 6	inch: 384	outch: 384		
ReLU	0.0241	0.02360.0241	feature_map: 6 x 6	inch: 384	outch: 384		

ConvolutionDepthWise	0.1223	0.50480.1223	feature_map: 6 x 6	inch: 384	outch: 384		
BatchNorm	0.0414	0.04510.0414	feature_map: 6 x 6	inch: 384	outch: 384		
Scale	0.0278	0.01960.0278	feature_map: 6 x 6	inch: 384	outch: 384		
ReLU	0.0253	0.02030.0253	feature_map: 6 x 6	inch: 384	outch: 384		
Convolution	0.2584	0.30530.2584	feature_map: 6 x 6	inch: 384	outch: 128	kernel: 1 x 1	stride: 1 x 1
BatchNorm	0.0244	0.02910.0244	feature_map: 6 x 6	inch: 128	outch: 128		
Scale	0.0211	0.03340.0211	feature_map: 6 x 6	inch: 128	outch: 128		
Eltwise	0.0256	0.0250.0256					
Convolution	0.1972	0.26770.1972	feature_map: 6 x 6	inch: 128	outch: 256	kernel: 1 x 1	stride: 1 x 1
BatchNorm	0.0206	0.02980.0206	feature_map: 6 x 6	inch: 256	outch: 256		
Scale	0.0264	0.0260.0264	feature_map: 6 x 6	inch: 256	outch: 256		
ReLU	0.0222	0.02150.0222	feature_map: 6 x 6	inch: 256	outch: 256		
ConvolutionDepthWise	0.0894	0.31990.0894	feature_map: 6 x 6	inch: 256	outch: 256		
BatchNorm	0.0328	0.0310.0328	feature_map: 3 x 3	inch: 256	outch: 256		
Scale	0.0315	0.03190.0315	feature_map: 3 x 3	inch: 256	outch: 256		
ReLU	0.0243	0.02430.0243	feature_map: 3 x 3	inch: 256	outch: 256		
Convolution	0.1547	0.2370.1547	feature_map: 3 x 3	inch: 256	outch: 256	kernel: 1 x 1	stride: 1 x 1
BatchNorm	0.0281	0.02830.0281	feature_map: 3 x 3	inch: 256	outch: 256		

Scale	0.0315	0.02440.0315	feature_map: 3 x 3	inch: 256	outch: 256		
Split	0.0006	0.00020.0006					
Convolution	0.2291	0.35470.2291	feature_map: 3 x 3	inch: 256	outch: 512	kernel: 1 x 1	stride: 1 x 1
BatchNorm	0.0335	0.03940.0335	feature_map: 3 x 3	inch: 512	outch: 512		
Scale	0.0309	0.02780.0309	feature_map: 3 x 3	inch: 512	outch: 512		
ReLU	0.0266	0.02480.0266	feature_map: 3 x 3	inch: 512	outch: 512		
ConvolutionDepthWise	0.0963	0.48390.0963	feature_map: 3 x 3	inch: 512	outch: 512		
BatchNorm	0.0348	0.04780.0348	feature_map: 3 x 3	inch: 512	outch: 512		
Scale	0.0344	0.02380.0344	feature_map: 3 x 3	inch: 512	outch: 512		
ReLU	0.0307	0.0240.0307	feature_map: 3 x 3	inch: 512	outch: 512		
Convolution	0.248	0.29580.248	feature_map: 3 x 3	inch: 512	outch: 256	kernel: 1 x 1	stride: 1 x 1
BatchNorm	0.0288	0.02950.0288	feature_map: 3 x 3	inch: 256	outch: 256		
Scale	0.0262	0.03470.0262	feature_map: 3 x 3	inch: 256	outch: 256		
Eltwise	0.0234	0.02610.0234					
Convolution	0.2372	0.34820.2372	feature_map: 3 x 3	inch: 256	outch: 512	kernel: 1 x 1	stride: 1 x 1
BatchNorm	0.0272	0.04060.0272	feature_map: 3 x 3	inch: 512	outch: 512		
Scale	0.0265	0.02820.0265	feature_map: 3 x 3	inch: 512	outch: 512		
ReLU	0.0209	0.030.0209	feature_map: 3 x 3	inch: 512	outch: 512		

ConvolutionDepthWise	0.1062	0.48660.1062	feature_map: 3 x 3	inch: 512	outch: 512		
BatchNorm	0.0433	0.0460.0433	feature_map: 3 x 3	inch: 512	outch: 512		
Scale	0.0278	0.02520.0278	feature_map: 3 x 3	inch: 512	outch: 512		
ReLU	0.0257	0.02090.0257	feature_map: 3 x 3	inch: 512	outch: 512		
Convolution	0.3716	0.43360.3716	feature_map: 3 x 3	inch: 512	outch: 512	kernel: 1 x 1	stride: 1 x 1
BatchNorm	0.0287	0.04050.0287	feature_map: 3 x 3	inch: 512	outch: 512		
Scale	0.0259	0.02450.0259	feature_map: 3 x 3	inch: 512	outch: 512		
Convolution	0.2546	0.29320.2546	feature_map: 3 x 3	inch: 512	outch: 256	kernel: 1 x 1	stride: 1 x 1
BatchNorm	0.0261	0.02230.0261	feature_map: 3 x 3	inch: 256	outch: 256		
Scale	0.0258	0.02940.0258	feature_map: 3 x 3	inch: 256	outch: 256		
ReLU	0.0213	0.03760.0213	feature_map: 3 x 3	inch: 256	outch: 256		
Split	0.0004	0.00010.0004					
Convolution	0.15	0.17030.15	feature_map: 3 x 3	inch: 256	outch: 136	kernel: 1 x 1	stride: 1 x 1
Convolution	0.5966	0.31310.5966	feature_map: 3 x 3	inch: 136	outch: 136	kernel: 3 x 3	stride: 3 x 3
Reshape	0.0089	0.00960.0089	feature_map: 1 x 1	inch: 136	outch: 1		
Flatten	0.0396	0.020.0396	feature_map: 2 x 68	inch: 1	outch: 1		
InnerProduct	0.0888	0.05480.0888	feature_map: 136 x 1	inch: 1	outch: 1		
ReLU	0.023	0.02070.023	feature_map: 128 x 1	inch: 1	outch: 1		

InnerProduct	0.0878	0.09940.0878	feature_map: 128 x 1	inch: 1	outch: 1		
ReLU	0.0312	0.02170.0312	feature_map: 256 x 1	inch: 1	outch: 1		
InnerProduct	0.0747	0.05290.0747	feature_map: 256 x 1	inch: 1	outch: 1		
Convolution	0.4818	0.51740.4818	feature_map: 96 x 96	inch: 3	outch: 32	kernel: 3 x 3	stride: 2 x 2
BatchNorm	0.0928	0.05160.0928	feature_map: 48 x 48	inch: 32	outch: 32		
(' layer count = ', 182)							
(' thread = ', 'landmark-float32')							