



따블이		FSRCNN	
		CPU	GPU
FSRCNN 모델 선		0.001374483	0.002001762
Parameter		0.000697851	0.000850439
Image loading		0.002930403	0.002771616
RGB2YCbCr		0.022735357	0.024509192
Bicubic		0.064073086	0.061992168
predict	First	0.239520788	0.000236273
	Mid	0.55700469	0.000524282
	Last	0.387024641	0.000118732
	total	1.183550119	0.000879288
YCbCr2RGB		0.13352704	0.162245512
Image save		0.099034786	0.091514349
		1.511120319	0.34863019

Convolution 따로 연산(따블이)			FSRCNN	
			CPU	GPU
FSRCNN 모델 선언			0.0018363	0
Parameter loading			0.001867294	0
Image loading			0.002780199	0
RGB2YCbCr			0.077246904	0.02
Bicubic interpolation (Cb, Cr)			0.061847925	0.07
predict	First	Conv	0.076623678	0
		PReLU	0.134323597	0
	Mid	Conv	0.067292452	0
		PReLU	0.030487537	0
		Conv	0.019421339	0
		PReLU	0.030683041	0
		Conv	0.019331694	0
		PReLU	0.033460617	0
		Conv	0.019368172	0
		PReLU	0.034878969	####
		Conv	0.019512415	0
		PReLU	0.033961535	####
		Conv	0.086550236	0
		PReLU	0.133632898	####
	Last	ConvT	0.381112576	0
	total		1.122552156	0
YCbCr2RGB			0.14792943	0.16
Image save			0.099473238	0.09
			1.516090155	0.35

우렁이		FSRCNN	
		CPU	GPU
FSRCNN 모델 선언		0.005047798	0.004948616
Parameter loading		0.002250671	0.002171278
Image loading		0.010172129	0.011151791
RGB2YCbCr (FHD)		0.067269325	0.062424898
Bicubic interpolation (Cb, Cr)		0.136160851	0.13429594
predict	First	0.5391078	0.1147542
	Mid	1.344948769	0.391416073
	Last	0.800084352	0.013610363
	total	2.691077232	0.520746469
YCbCr2RGB (UHD)		0.403059006	0.387886286
Image save		0.261599779	0.264016628
		3.578041315	1.389517546

Convolution 따로 연산(우렁이)			FSRCNN	
			CPU	GPU
FSRCNN 모델 선언			0.008405209	0.009571493
Parameter loading			0.003717661	0.00291419
Image loading			0.012515783	0.013847589
RGB2YCbCr			0.087996006	0.069709539
Bicubic interpolation (Cb, Cr)			0.155174255	0.14901948
predict	First	Conv	0.157680511	0.23811698
		PReLU	0.31648922	0.000973463
	Mid	Conv	0.109761477	0.030616522
		PReLU	0.065830946	0.000323534
		Conv	0.074212551	0.308567524
		PReLU	0.069536686	0.000910759
		Conv	0.072969198	0.000589848
		PReLU	0.068126917	0.000580072
		Conv	0.073930979	0.000547886
		PReLU	0.067614317	5.71E-04
		Conv	0.072849274	0.000565529
		PReLU	0.066607237	5.71E-04
		Conv	0.178604841	0.032063961
		PReLU	0.30838275	7.49E-04
	Last	ConvT	0.792989254	0.010451078
	total		2.498872995	0.629961967
	YCbCr2RGB		0.480289936	0.407368898
	Image save		0.258312225	0.207159281
			3.501997232	1.485788763

반짝이		FSRCNN	
		CPU	GPU
FSRCNN 모델 선언		0	0.06
Parameter loading		0	0.05
Image loading		0.01	0.01
RGB2YCbCr (FHD)		0.2	0.2
Bicubic interpolation		0.26	0.27
predict	First	1.21	0
	Mid	2.88	0
	Last	2.04	0
	total	6.13	0
YCbCr2RGB (UHD)		0.59	0.66
Image save		0.37	0.37
		7.57	1.63

Convolution 따로 연산(반짝이)			FSRCNN	
			CPU	GPU
FSRCNN 모델 선언			0.003528595	0.053910255
Parameter loading			0.004212618	0.055997133
Image loading			0.009316444	0.009660244
RGB2YCbCr			0.198209763	0.199065447
Bicubic interpolation (Cb, Cr)			0.273922682	0.269595146
predict	First	Conv	0.192250967	0.000486135
		PReLU	0.950019121	0.000264406
	Mid	Conv	0.158189058	0.00045228
		PReLU	0.201628447	0.000240088
		Conv	0.05869031	0.000231743
		PReLU	0.20411396	0.000229597
		Conv	0.057972908	0.000230312
		PReLU	0.206516743	0.000239134
		Conv	0.05779171	0.000240803
		PReLU	0.209977627	0.000233173
		Conv	0.059264421	0.000231028
		PReLU	0.208329201	0.000223875
		Conv	0.337665319	0.000228882
		PReLU	0.946023226	0.000237942
	Last	ConvT	1.987835407	0.000421524
	total		5.840829849	0.005670547
YCbCr2RGB			0.598593473	0.650872946
Image save			0.375247955	0.37060976
			7.306875467	1.619055986