

Jaihyun Koh<sup>1</sup>, Jaihyun Lew<sup>2</sup>, Jangho Lee<sup>3</sup> and Sungroh Yoon<sup>2</sup> Samsung Display<sup>1</sup>, Data Science and AI Laboratory, Seoul National University<sup>2</sup>, Incheon National University<sup>3</sup>



# **MG-MLP: Multi-gated MLP for Restoring Images** from Spatially Variant Degradations





get		GoPro [30]		REDS [31]		RealBlur-J [32]		DVD [35]		
18	Mems	PSNR	SSIM	PSNR	SSIM	PSNR	SSIM	PSNR	SSIM	
M	3.6G	31.96	0.9527	28.51	0.8570	28.87	0.9094	31.28	0.9367	
M	2.2G	32.34	0.9558	28.65	0.8588	28.99	0.9089	31.48	0.9393	
N	2.1G	32.87	0.9604	28.80	0.8613	29.14	0.9110	31.59	0.9409	

RealBlur-I trained	GoPro [30]		HIDE [33]		RealBlur-R [32]	
	PSNR	SSIM	PSNR	SSIM	PSNR	SSIM
Restormer [53]	24.29	0.8468	23.58	0.8197	35.02	0.9298
NAFNet [6]	24.17	0.8578	23.31	0.8241	35.31	0.9309
MG-MLP (ours)	24.54	0.8596	23.95	0.8298	35.46	0.9337













ion (	C = 32)		GoPro testset [30]			
	Reuse	Update	PSNR	SSIM		
4			31.54	0.9465		
en	$\checkmark$		31.09	0.9433		
en		$\checkmark$	31.30	0.9452		
nel	$\checkmark$	$\checkmark$	31.36	0.9459		
en	$\checkmark$	$\checkmark$	31.76	0.9500		