Models	#Trainable Params	Open-sourced?	**Visual Question Answering** VQAv2 (test-dev) VQA acc.	**Image Captioning** NoCaps (val) CIDEr	NoCaps (val) SPICE	**Image-Text Retrieval** Flickr (test) TR@1	Flickr (test) IR@1
BLIP (Li et al., 2022)	583M	✓	-	113.2	14.8	96.7	86.7
SimVLM (Wang et al., 2021b)	1.4B	✗	-	112.2	-	-	-
BEIT-3 (Wang et al., 2022b)	1.9B	✗	-	-	-	94.9	81.5
Flamingo (Alayrac et al., 2022)	10.2B	✗	56.3	-	-	-	-
BLIP-2	188M	✓	**65.0**	**121.6**	**15.8**	**97.6**	**89.7**