

Cobot Database on a UR10 Platform				
Item No.	Type	Description	Number of images	Notes
1	Real data	illumination level 1	2700	high brightness (all lights in the lab are on, and with the maximum intensity)
2	Real data	illumination level 2	2700	medium-high brightness (the 3/4 lights are on and with the maximum intensity, while the 1/4 lights are off)
3	Real data	illumination level 3	2700	medium brightness (the 1/2 lights are on and with the maximum intensity, while the 1/2 lights are off)
4	Real data	illumination level 4	2700	low brightness (the 1/4 lights are on and with the minimum intensity, while the 3/4 lights are off)
5	Real data	two different operators 1 & 2	1653	
6	Real data	examples of depth image		
7	Real data	videos		produced under illumination level 1, 2, 3,4
8	Synthetic data	training	20823	robot images are generated using a Digital Twin framework whilst the human operator data is gathered using operator images from the COCO database
9	Synthetic data	validation	5206	see above
10	Annotations			for groundtruth generation