Table 1: Extra experiments on ImageNet,UCF101,DTD.

datasets	Vanilla	Multi	LE(SynCLR)	CiP	DeCap	zero-shot
Imagenet	58.45	58.64	58.86	59.73	**60.01**	58.18
UCF101	60.83	60.83	61.06	62.09	**62.31**	60.79
DTD	49.2	49.63	52.5	61.65	**62.71**	42.39

Table 2: Comparison with the original SynCLR paper.

	Origin result		with DeCap	
Backbone	ViT-B-16	ViT-L-14	ViT-B-16	ViT-L-14
Pets	93.6	94.1	93.88	94.23
DTD	79.9	82.1	80.27	82.39

Table 3: Domain Generalization results.

CLIP-RN50	Vanilla	Multi	LE(SynCLR)	CiP	DeCap	zero-shot
ImageNet-v2	51.6	51.64	51.70	52.66	**52.88**	51.34
ImageNet-Sketch	34.56	**34.84**	34.49	33.51	34.43	33.32
ImageNet-a	20.01	21.15	21.04	19.76	21.25	**21.65**
ImageNet-r	56.17	**57.71**	56.86	55.17	57.50	56.00
average	40.59	41.34	41.02	40.28	**41.52**	40.58

Table 4: Ablation study on the number of selecting prompts per class.

	10	20	40
DTD	61.79	62.71	62.66
UCF101	62.11	62.31	62.38

Table 5: Ablation study on the iteration number of GA algorithm.

	40iter	60iter	80iter
DTD	61.81	62.55	62.71
UCF101	61.51	62.15	62.31
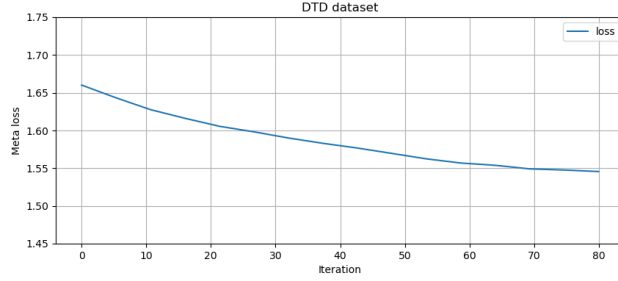
(a) DTD meta loss.
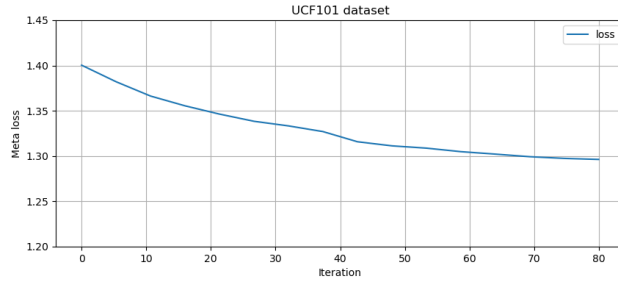
(b) UCF101 meta loss.

Figure 1: The curve graph of the changes in meta loss

Table 6: Computational cost.

datasets	GPU hours
STL-10	1 hours
CIFAR10	1 hours
Im-10	1 hours
Pets	4 hours
Caltech-101	10 hours
Im-100	10 hours
EuroSAT	1 hours
Aircraft	10 hours
Country211	21 hours
Flowers102	10 hours
Food-101	10 hours
ImageNet	103 hours
UCF101	10 hours
DTD	5 hours

Table 7: All the datasts we have conducted.

	zero-shot	vanilla prompt	multi-domain	LE	CiP	DeCap
STL-10	94.26	95.33	94.97	94.61	94.92	**95.91**
CIFAR10	70.25	72.37	70.66	70.33	70.24	**76.98**
Im-10	97.22	97.69	97.89	97.45	97.65	**97.95**
Pets	81.85	82.29	83.07	83.24	84.04	**85.36**
Caltech-101	83.89	84.74	87.56	84.03	88.12	**88.67**
Im-100	70.14	70.62	70.50	70.73	70.76	**71.08**
EuroSAT	23.11	31.31	30.11	29.35	39.91	**41.94**
Aircraft	17.07	17.04	17.85	17.73	18.00	**19.74**
Country211	13.44	13.72	13.9	14.14	14.98	**15.44**
Flowers102	57.84	60.88	60.88	61.93	61.86	**62.35**
Food-101	68.51	70.4	69.11	69.21	69.7	**70.79**
ImageNet	58.18	58.45	58.64	58.86	59.73	**60.01**
UCF101	60.79	60.83	60.83	61.06	62.09	**62.31**
DTD	42.39	49.20	49.63	52.50	61.65	**62.71**