Performance Report

CLIP_rsicd_v2_baseline

The testing procedure consists of evaluating the model with the following specifications on several datasets in order to perform zero-shot classification, few-shot classification, KNN classification and image retrieval.

model	CLIP_rsicd_v2
${f model_checkpoints}$	None
${ m datasets}$	'zero_shot': ['EuroSAT', 'MLRSNet', 'OPTIMAL_31', 'Pattern-
	Net', 'RESISC45', 'RSI_CB256', 'RSICD', 'RSITMD', 'SIRI_WHU',
	'UCM', 'WHU_RS19'], 'image_retrieval': ['RSICD', 'RSITMD', 'SID-
	NEY', 'UCM']
${ m text_template}$	a satellite photo of a
$lnr_prob_max_iterations$	1000
${f n}_{f n}$	10
$image_retrieval_N_rank$	20
${\bf include_baseline}$	False

Zero-shot classification

EuroSAT	m MLRSNet	OPTIMAL_31	PatternNet	RESISC45	RSI_CB256	RSICD	RSITMD	SIRI_WHU	$^{ m UCM}$	WHU_RS19
0.500	0.621	0.849	0.696	0.799	0.466	0.861	0.812	0.642	0.886	0.950

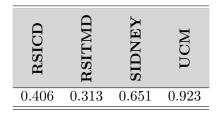
Linear-probe classification

EuroSAT	m MLRSNet	OPTIMAL_31	PatternNet	RESISC45	RSI_CB256	RSICD	RSITMD	SIRI_WHU	$\overline{\mathrm{UCM}}$	WHU_RS19
0.970	0.944	0.935	0.991	0.982	0.993	0.952	0.962	0.956	0.981	1.000

KNN classification

EuroSAT	m MLRSNet	OPTIMAL_31	PatternNet	RESISC45	RSI_CB256	RSICD	RSITMD	SIRLWHU	$_{ m UCM}$	WHU_RS19
0.946	0.928	0.911	0.984	0.977	0.989	0.932	0.956	0.940	0.962	1.000

Image To Text



Text To Image

