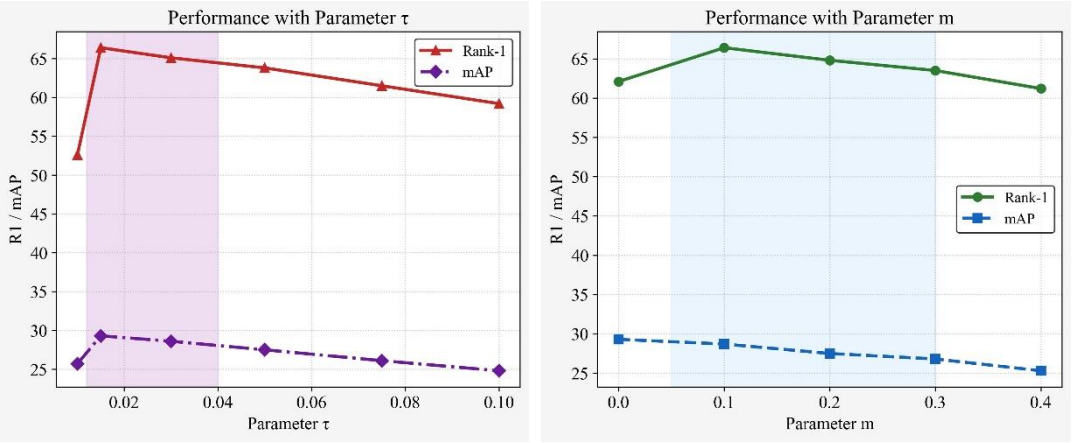
Supplementary Material

1. TAL hyperparameter sensitivity

Fig S1. Variation of performance with different m and τ on RSTPReid



2. Sensitivity to batch size

Table S1. Effect of batch size on ICFG-PEDES dataset.

Batch size	R-1	R-5	R-10	mAP	mINP
32	66.24	81.13	87.14	39.75	7.51
64	**68.20**	**83.19**	**88.23**	**41.36**	**7.89**
128	67.66	81.64	88.01	39.85	7.67

3.Table S2. Effect of δ on ICFG-PEDES

δ (selection ratio)	Noise-identification precision (%)	Val Rank-1	Val mAP	δ (selection ratio)
0.10	88.2	65.1	50.7	0.10
0.20	82.6	65.9	51.4	0.20
0.30	**78.4**	**66.31**	**52.0**	**0.30**
0.40	70.5	65.8	51.6	0.40
0.50	62.3	64.9	50.2	0.50

4.All templates and categories for pseudo-text generation

Basic Attribute-Combination Templates (clothing + hair + belongings):

1."Wearing [clothing description], the [person/woman/man] also has [hair description] and is carrying [belongings description]."

2."Sporting [hair description], the [person/woman/man] is dressed in [clothing description] and is carrying [belongings description]."

3."With [hair description], the [person/woman/man] is wearing [clothing description] and is also carrying [belongings description]."

Clothing–Footwear–Belongings Templates:

4. "With [hair description], the [person/woman/man] is wearing [clothing description] and is also carrying [belongings description]."

5."In [clothing description] and [footwear description], the [person/woman/man] is also carrying [belongings description]."

6."Carrying [belongings description], the [person/woman/man] is dressed in [clothing description] and [footwear description]."

Clothing–Accessory–Belongings Templates:

7."In [clothing description] and [accessory description], the [person/woman/man] is also carrying [belongings description]."

8."With [hair description], the [person/woman/man] is dressed in [clothing description] and [accessory description]."

9."In [accessory description], the [person/woman/man] also has [hair description] and is carrying [belongings description]."

10."With [accessory description], the [person/woman/man] also has [hair description] and is carrying [belongings description]."

Extended Multi-Attribute Templates (clothing + footwear + accessory + belongings + hair):

11."Wearing [clothing description] and [footwear description], the [person/woman/man] also has [hair description]."

12."The [person/woman/man] is wearing [footwear description], [accessory description], [clothing description], and [belongings description]. The [person/woman/man] has [hair description]."

13."The [person/woman/man] has [hair description] and is wearing [accessory description], [footwear description], [clothing description], and carrying [belongings description]."

14."The [person/woman/man] is dressed in [footwear description], [clothing description], [accessory description], and carrying [belongings description]. The [person/woman/man] has [hair description]."

15."With [footwear description], the [person/woman/man] is wearing [clothing description], [accessory description], and carrying [belongings description]. The [person/woman/man] has [hair description]."

16."The [person/woman/man] sports [hair description] and is dressed in [footwear description], [clothing description], [accessory description], and carrying [belongings description]."

17."Wearing [footwear description], [accessory description], [clothing description], the [person/woman/man] is also carrying [belongings description]. The [person/woman/man] has [hair description]."

18."The [person/woman/man] is attired in [clothing description], [accessory description], [footwear description], and carrying [belongings description]. The [person/woman/man] has [hair description]."
19."The [person/woman/man] is seen wearing [footwear description], [clothing description], [accessory description], and carrying [belongings description]. The [person/woman/man] has [hair description]."
20."Dressed in [footwear description], [accessory description], [clothing description], and carrying [belongings description], the [person/woman/man] has [hair description]."
21."The [person/woman/man] can be seen wearing [footwear description], [clothing description], [accessory description], and carrying [belongings description]. The [person/woman/man] has [hair description]."
22."The [person/woman/man] is dressed in [clothing description], [footwear description], [accessory description], and carrying [belongings description]. The [person/woman/man] has [hair description]."
23."The [person/woman/man] is wearing [footwear description], [accessory description], [clothing description], and carrying [belongings description]. The [person/woman/man] has [hair description].",
24."The [person/woman/man] is attired in [accessory description], [footwear description], [clothing description], and carrying [belongings description]. The [person/woman/man] has [hair description]."
25."The [person/woman/man] has [hair description] and is wearing [clothing description], [footwear description], [accessory description], and carrying [belongings description]."
26."The [person/woman/man] is seen wearing [clothing description], [footwear description], [accessory description], and carrying [belongings description]. The [person/woman/man] has [hair description]."
27."The [person/woman/man] is wearing [accessory description], [footwear description], [clothing description], and carrying [belongings description]. The [person/woman/man] has [hair description]."
28."The [person/woman/man] is seen in [footwear description], [accessory description], [clothing description], and carrying [belongings description]. The [person/woman/man] has [hair description]."
29."The [person/woman/man] can be spotted wearing [accessory description], [footwear description], [clothing description], and carrying [belongings description]. The [person/woman/man] has [hair description]."
30."The [person/woman/man] is attired in [accessory description], [clothing description], [footwear description], and carrying [belongings description]. The [person/woman/man] has [hair description]."
31."The [person/woman/man] is wearing [accessory description], [clothing description], [footwear description], and carrying [belongings description]. The [person/woman/man] has [hair description]."
32."With [hair description], the [person/woman/man] is wearing [accessory description], [clothing description], [footwear description], and carrying [belongings description]."
33."Dressed in [accessory description], [clothing description], [footwear description], and carrying [belongings description], the [person/woman/man] has [hair description]."

34."The [person/woman/man] can be seen wearing [accessory description], [clothing description], [footwear description], and carrying [belongings description]. The [person/woman/man] has [hair description]."
35."The [person/woman/man] is dressed in [clothing description], [accessory description], [footwear description], and carrying [belongings description]. The [person/woman/man] has [hair description]."