Baseline:骨架网络（可选）、softmax+tripletloss、warmingup、bnneck、label-smooth、batchsize-64、实例个数位4。

1、模型r50\_ibn\_a

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 原始 | norm | eval\_flip | Re-ranking（k1=7） |
| Rank1 | 93.2% | 92.8% | 92.8% | 92.8% |
| map | 80.3% | 81.6% | 81.9% | 85.0% |
| Tencent-score | 0.86748 | 0.87196 | 0.87347 | 0.88940/0.81589740 |

2、模型r101\_ibn\_a

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 原始 | Norm | Eval\_Flip | Re-ranking（k1=11） |
| Rank1 | 92.5% | 92.5% | 92.5% | 92.5% |
| map | 80.5% | 82.3% | 82.4% | 85.6% |
| Tencent-score | 0.86494 | 0.87398 | 0.87439 | 0.89044/0.81456205 |

备注（采用所有的训练数据，去掉随机擦出，训练250轮，k1=6, 最终得分0.82770741）

3、模型r101\_ibn\_a（batchsize:96，num\_instance:3）

|  |  |  |
| --- | --- | --- |
|  | 原始 | Re-ranking（k1=7） |
| Rank1 | 94.1% | 93.5% |
| map | 82.8% | 86.0% |
| Tencent-score | 0.88454 | 0.89733 |

|  |  |  |
| --- | --- | --- |
|  | norm | Re-ranking（k1=6） |
| Rank1 | 93.2% | 93.5% |
| map | 83.0% | 86.3% |
| Tencent-score | 0.88082 | 0.89901/0.80897209 |

|  |  |  |
| --- | --- | --- |
|  | Norm+eval\_flip | Re-ranking（k1=7） |
| Rank1 | 93.2% | 93.2% |
| map | 83.4% | 85.8% |
| Tencent-score | 0.88275 | 0.89490 |

备注（采用所有的训练数据, 去掉随机擦出，训练250轮，k1=6, 最终得分0.82895702）

4、模型r50\_ibn\_a（去掉random erasing）

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 原始 | norm | eval\_flip | Re-ranking（k1=7） |
| Rank1 | 79.8% | 81.6% | 81.8% | 84.0% |
| map | 92.2% | 92.5% | 92.8% | 92.2% |
| Tencent-score | 0.86008 | 0.87041 | 0.87332 | 0.88109/0.81920530 |

4、模型r50\_ibn\_a（去掉random erasing，学习率衰减epoch改为80，140，共训练250轮）

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 原始 | norm | eval\_flip | Re-ranking（k1=6） |
| Rank1 | 80.6% | 81.9% | 82.2% | 84.6% |
| map | 92.8% | 92.2% | 92.2% | 92.2% |
| Tencent-score | 0.86738 | 0.87057 | 0.87204 | 0.88402/0.82123223 |

备注：采用所有的训练数据，准确率为0.83110307

4、模型r50\_ibn\_a（去掉random erasing，学习率衰减epoch改为80，140，共训练250轮，图片分辨率384\*128）

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 原始 | norm | eval\_flip | Re-ranking（k1=7） |
| Rank1 | 80.5% | 83.2% | 83.5% | 86.1% |
| map | 92.5% | 93.2% | 93.2% | 92.8% |
| Tencent-score | 0.84525 | 0.88182 | 0.88344 | 0.89467/0.83782591 |

MGN框架，骨架r50\_ibn\_a（去掉random erasing，学习率衰减epoch改为80，140，共训练250轮，图片分辨率384\*128）

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 原始 | norm | eval\_flip | Re-ranking（k1=6） |
| Rank1 |  |  |  |  |
| map |  |  |  |  |
| Tencent-score |  |  |  | 0.84685774 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 原始 | norm | eval\_flip | Re-ranking（k1=6） |
| Rank1 |  |  |  |  |
| map |  |  |  |  |
| Tencent-score |  |  |  | 0.85197971 |

MGN框架，骨架r50\_ibn\_a（加上random erasing，学习率衰减epoch改为80，140，共训练250轮，图片分辨率384\*128，7个TTA）

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 原始 | norm | eval\_flip | Re-ranking（k1=6） |
| Rank1 |  |  |  |  |
| map |  |  |  |  |
| Tencent-score |  |  |  | 0.85829485 |

MGN框架，骨架r50\_ibn\_a（加上random erasing，学习率衰减epoch改为80，140，共训练250轮，图片分辨率384\*128，7个TTA，更换随机擦除均值）

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 原始 | norm | eval\_flip | Re-ranking（k1=6） |
| Rank1 |  |  |  |  |
| map |  |  |  |  |
| Tencent-score |  |  |  | 0.86148452 |

MGN框架，骨架r50\_ibn\_a（加上random erasing，学习率衰减epoch改为80，140，共训练250轮，图片分辨率384\*128，7个TTA，更换随机擦除均值，local feature长度改为512）

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 原始 | norm | eval\_flip | Re-ranking（k1=6） |
| Rank1 |  |  |  |  |
| map |  |  |  |  |
| Tencent-score |  |  |  | 0.86209273/ 0.86345649(180轮) |