**CORAL**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Model** | **Dataset** | **mAP** | **mAP (COCO) (https://coral.ai)** | **Mean latency (ms)** | **Duration (sec)** |
| EfficientDet-Lite0 | EPFL | 27.36% | 30.4% |  | 1557 |
| EfficientDet-Lite1 | EPFL | 27.59% | 34.3% |  | 2176 |
| EfficientDet-Lite2 | EPFL | 31.17% | 36.0% | 385 | 4334 |
| EfficientDet-Lite3 | EPFL | 30.89% | 39.4% | 479 | 5409 |
| SSD MobileNet V2 | EPFL | 32.28% | 22.4% | 33.90 | 420 |
| SSDLite MobileDet | EPFL | 32.62% | 32.9% | 36 | 460 |
| EfficientDet-Lite1 | Cityscape | 7% | 34.3% | 279 |  |
| EfficientDet-Lite3 | Cityscape | 11.29% | 39.4% | 592 | 278 |
| SSD MobileNet V2 | Cityscape | 7.14% | 22.4% | 124 | 62 |
| SSDLite MobileDet | Cityscape | 6.42% | 32.9% |  | 58 |
| EfficientDet-Lite1 | SHAD | 16.34% | 34.3% | 187 | 164 |
| EfficientDet-Lite2 | SHAD | 17.35% | 36.0% | 392 | 276 |
| EfficientDet-Lite3 | SHAD | 17.21% | 39.4% | 493 | 312 |
| SSD MobileNet V2 | SHAD | 15.66% | 22.4% | 40 | 112 |
| SSDLite MobileDet | SHAD | 13.81% | 32.9% | 41 | 105 |

**CPU (Intel® Core™ i3-1005G1 CPU @ 1.20GHz × 4 )**

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| **Model** | **Dataset** | **mAP** | **mAP (COCO) (https://tfhub.dev/)** | **Duration (sec)** |
| EfficientDet-Lite2 | SHAD | 28.82% | 36.3% | 700 |
| EfficientDet-Lite3 | SHAD | 30.80% | 39.9% | 1133 |

**GPU(NVIDIA GeForce GTX 1660 Ti, Max-Q Design )**

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| **Model** | **Dataset** | **mAP** | **mAP (COCO) (https://tfhub.dev/)** | **Duration (sec)** |
| EfficientDet-Lite2 | EPFL | 37.51% |  | 1385 |
| EfficientDet-Lite2 | SHAD | 28.82% | 36.3% | 323 |
| EfficientDet-Lite3 | SHAD | 30.80% | 39.9% | 430 |

**TFLite model on CPU**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Model** | **Dataset** | **mAP** | **mAP (COCO) (https://coral.ai /)** | **Duration (sec)** |
| EfficientDet-Lite3 | Cityscape |  |  |  |
| SSD MobileNet V2 | Cityscape | 5.05% | 25.6% | 317 |
| EfficientDet-Lite2 | SHAD | 28.82% | 36.3% | 323 |
| EfficientDet-Lite3 | SHAD | 30.80% | 39.9% | 430 |
| SSD MobileNet V2 | SHAD | 14.24% | 22.4% | 302 |
| SSDLite MobileDet | SHAD | 13.87% | 32.9% | 455 |