Table S2 Experimental parameter settings

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| Name | Hyper parameter | Value |
| Faster R-CNN (ResNet50) | optimizer | Adam |
| Initial learning rate | 1e-4 |
| Momentum | 0.9 |
| Faster R-CNN (VGG16) | optimizer | Adam |
| Initial learning rate | 1e-4 |
| Momentum | 0.9 |
| CenterNet | optimizer | Adam |
| Initial learning rate | 5e-4 |
| Momentum | 0.9 |
| SSD | optimizer | SGD |
| Initial learning rate | 2e-3 |
| Momentum | 0.937 |
| YOLOX | optimizer | SGD |
| Initial learning rate | 1e-2 |
| Momentum | 0.937 |
| YOLO v7 | optimizer | SGD |
| Initial learning rate | 1e-2 |
| Momentum | 0.937 |
| RetinaNet | optimizer | Adam |
| Initial learning rate | 1e-4 |
| Momentum | 0.9 |
| YOLO v5 | optimizer | SGD |
| Initial learning rate | 1e-2 |
| Momentum | 0.937 |