# Training

Following summary shows the models that were trained using the HaGRID dataset:

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| --- | --- | --- | --- |
| Model | # Parameters | # Layers | Size (FP32) |
| Yolov7-tiny | 6’014’038 | 255 | 23.5 MB |
| Yolov5s | 7’022’326 | 214 | 28.6 MB |
| Yolov5n | 1’765’270 | 214 | 7.3 MB |
| Yolov5p | 318’046 | 200 | 1.6 MB |

Since the HaGRID datasets consists of over half a million images one epoch is sufficient and also prevents overfitting. The models were trained on a Nvidia RTX 3080 GPU using stochastic gradient descent with the following hyperparameters: learning rate = 0.01, momentum = 0.937, weight decay = 0.0005 and batch size = 32.