Models	YOLOv3	YOLOv5	Latest YOLOv.(YOLOV8)	yolov5n	yolov5s	yolov5m	yolov5i	yolov5x
Deploying year	2018	2020	2023	2020	2020	2020	2020	2020
Architecture	Darknet53 architecture	CSPDarknet53 architecture	Convmixer71/(some resources said:CSPDarknet53 architecture)	CSPDarknet53 architecture	CSPDarknet53 architecture	CSPDarknet53 architecture	CSPDarknet53 architecture	CSPDarknet53 architecture
Prediction scales	3 => 13x13, 26x26, 52x52	3 =>8x8,16x16,32x32	3 =>20x20,40x40,80x80	3 =>8x8,16x16,32x32				
Number of Anchors	9 Anchors	9	9	9	9	9	9	9
Number of params	62 million parameters.	2 million parameters.	134 million parameters.	2 million parameters.	7.5 million parameters.	21.2million parameters.	47million parameters.	87 million parameters.
Loss Function	combination of binary cross-entropy loss and mean squared error loss.	focal loss that focuses on hard examples-GIoU, CIoU Loss	GloU, CloU Loss	GloU, CloU Loss	GloU, CloU Loss	GloU, CloU Loss	GloU, CloU Loss	GloU, CloU Loss