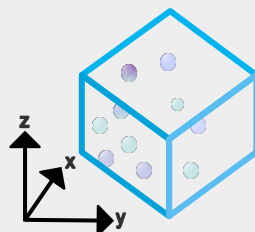


## Feature Learning



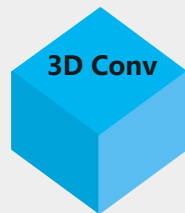
LiDAR Stream



Local Point Feature



Voxel Feature Extractor



3D Conv  
Convolutional Middle Layer

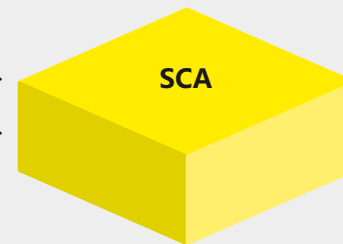


Camera Stream



ResNet Layer  
Image Feature Extractor

## Feature Fusion



SCA  
Attention Fusion Layer

## 3D Box Estimation



RPN

Predicted Results