|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Fusion Models** (FasterRCNN) | **Classes** | **Weather Conditions** | | | |
| **Clear** (mAP) | **Light Fog** (mAP) | **Dense Fog** (mAP) | **Snow/Rain** (mAP) |
| **Camera** | Car | 84.3 (D/N) | 85.5 (D/N) | 78.4 (D/N) | 80 (D/N) |
| Overall | 75 (D/N) | 57 (D/N) | 57.7 (D/N) | 61.1 (D/N) |
|  |  |  |  |  |  |
| **Lidar** | Car |  |  |  |  |
| Overall |  |  |  |  |
|  |  |  |  |  |  |
| **Gated** | Car | 70 (D/N) | 72 (D/N) | 70.35 (D/N) | 68.5 (D/N) |
| Overall | 45 (D/N) | 36.36 (D/N) | 43 (D/N) | 45.5 (D/N) |
|  |  |  |  |  |  |
| **Camera-Lidar (GLA)** | Car | 74 (D/N) | 78.5 (D/N) | 63.5 (D/N) | 70 (D/N) |
| Overall | 54 (D/N) | 53.3 (D/N) | 55.5 (D/N) | 55 (D/N) |
|  |  |  |  |  |  |
| **Camera-Lidar (pGLA)** | Car | 78.5 (D/N) | 81.29 (D/N) | 72.3 (D/N) | 76 (D/N) |
| Overall | 58.9 (D/N) | 57 (D/N) | 54 (D/N) | 59.43 (D/N) |
|  |  |  |  |  |  |
| **Camera-Gated (GLA)** | Car | 79 (D/N) | 80.50 (D/N) | 75.6 (D/N) | 78 (D/N) |
| Overall | 60 (D/N) | 63.8 (D/N) | 65 (D/N) | 59 (D/N) |
|  |  |  |  |  |  |
| **Camera-Gated (pGLA)** | Car | 79 (D/N) | 80 (D/N) | 71.5 (D/N) | 72 (D/N) |
| Overall | 60 (D/N) | 61 (D/N) | 51.3 (D/N) | 53 (D/N) |