

Antenna Summary (Website 2010)

| Parameter/Antenna | IAG-1 Antenna | IAG-2 Antenna | IAG2-T Antenna | VRC Antenna | mGate Antenna |
|--------------------------------------|--------------------------|-------------------------------------|----------------------------|---|-------------------------------|
| Part # | 800260-011 | 800260-008 | 800260-007 | 800260-010 | 800260-009 |
| Lane Kit # | 801692-014 | 801692-012 | 801692-009 | 801692-013 | 801300-002 (Reader Kit) |
| Description | 3 x 3 patch | 2 x 2 patch | 2 x 2 patch | 2 x 2 patch | 1 patch |
| Size | 34.75 x 31.75 x 2.3" | 17.72 x 15.47 x 1.2" | 18 x 16 x 2" | 17.22 x 10.22 x 1.1" | 11.84 x 10.72 x 1.22" |
| Weight¹ | 28 lbs. | 4 lbs. | 4 lbs. | 4 lbs. | 2 lbs. |
| Mounting | Horizontal | Horizontal | Horizontal | Vertical | Horizontal |
| Max. cable length² | 200 ft. | 150 ft. | 150 ft. | 150 ft. | 50 ft. (with mGate Reader) |
| Picture | | | | | |
| Applications | | | | | |
| | <u>IAG standard lane</u> | <u>IAG low lane canopy</u> | <u>IAG low lane canopy</u> | <u>407 ETR Lanes</u> | <u>IAG low overhead mount</u> |
| <i>Height</i> | 15 ± 1 ft. | 9 - 12 ft. | 9 - 13 ft. | 5 deg. (IAG) 40 deg. (TDMA) | 9 ± 1 ft. |
| <i>Tilt</i> | 15 deg. | 10 deg. (12 ft.) 15 deg. (9 ft.) | 0 deg. (flat) | 12 ft. | 10 deg. |
| <i>Lane Width</i> | 10 - 12 ft. | 10 - 12 ft. | 10 - 12 ft. | | 10 - 12 ft. |
| | <u>IAG ORT lane</u> | <u>IAG wide lane</u> | <u>IAG wide lane</u> | <u>Traffic Management (Overhead mount)</u> | |
| <i>Height</i> | 16 ± 1 ft. | 15 ± 1 ft. | 15 ± 1 ft. | 17 - 20 ft. | |
| <i>Tilt</i> | 15 deg. | 10 deg. | 0 deg. (flat) | 5 deg. (IAG) | |
| <i>Lane Width</i> | 12 ft. | 12 - 16 ft. | 12 - 16 ft. | 12 - 15 ft. | |
| | | | | <u>Traffic Management (Side-fire mount)</u> | |
| <i>Height</i> | | | | 17 ± 1 ft. | |
| <i>Tilt</i> | | | | 30 deg. (pitch) 45 deg. (yaw) | |
| <i>Lane Width</i> | | | | 12 - 15 ft. | |

NOTES: Mounting information is provided as a guideline. Site details may require some adjustment beyond the ranges specified.

1) Weight specified is applicable to the antennae structure only i.e. it does not include mounting hardware.

2) Assumes the use of Kapsch TrafficCom IVHS recommended feedline cable: Ultralink TL93605 from Cushcraft (4.1 dB/100 ft. loss)
For longer cable runs the use of Andrew 1/2" Helix LDF4-50A cable is recommended (2.1 dB/100 ft. loss)