



Camera Placement Options

Imagine the Possibilities....

Gatekeeper Systems wants your purchase and experience of the NiTRO™ digital surveillance systems for school buses to be seamless.

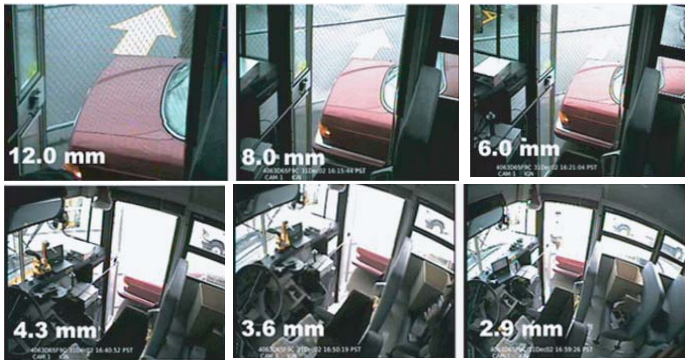
There are a lot of things to think about and a few questions that need to be answered prior to delivery....
 Number of cameras, camera placement, and is the right sizes of lens required meet my location and viewing range requirements?

This document is a help guide for the possible locations and recommended lens configurations. Please feel free to call us if you have any questions at 1-888-666-4833.



Optional Camera Placement – Camera Inside Positioned to Record Outside of the Bus

Recommended Lens	View
12.0 mm	23°
8.0 mm	34°



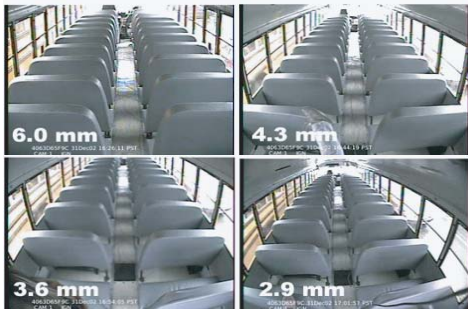
Optional Camera Placement Above Driver – View of Stairwell

Recommended Lens	View
12.0 mm	23°
8.0 mm	34°
6.0 mm	48°
4.3 mm	66°
3.6 mm	84°
2.9 mm	112°



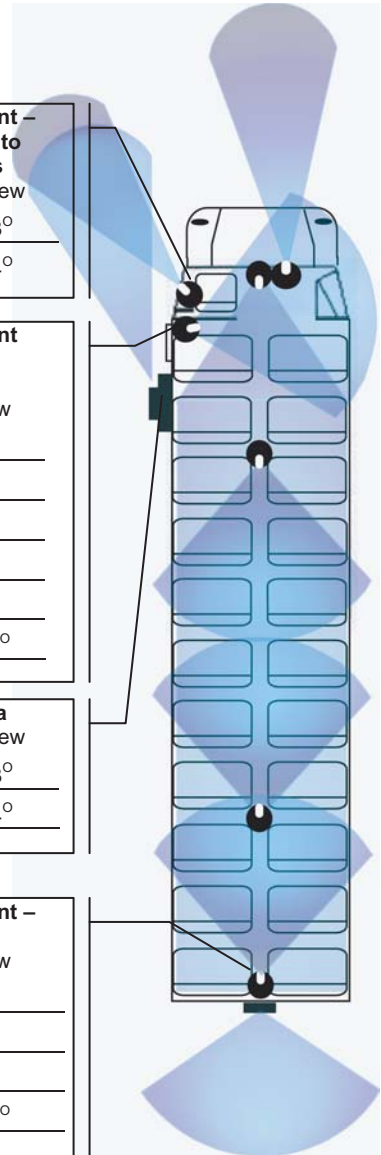
Optional Stop Arm Camera

Recommended Lens	View
12.0 mm	23°
8.0 mm	34°



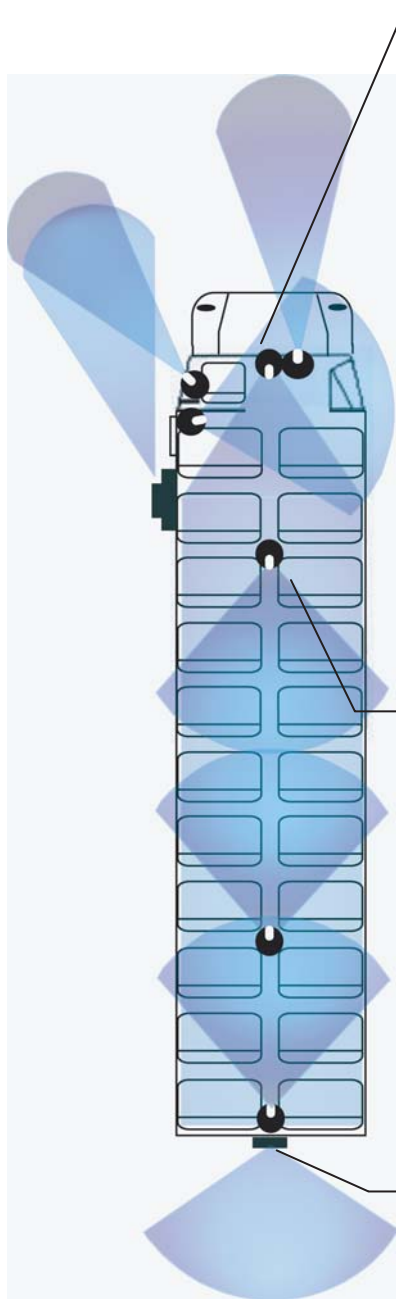
Optional Camera Placement – Rear to Front

Recommended Lens	View
6.0 mm	48°
4.3 mm	66°
3.6 mm	84°
2.9 mm	112°



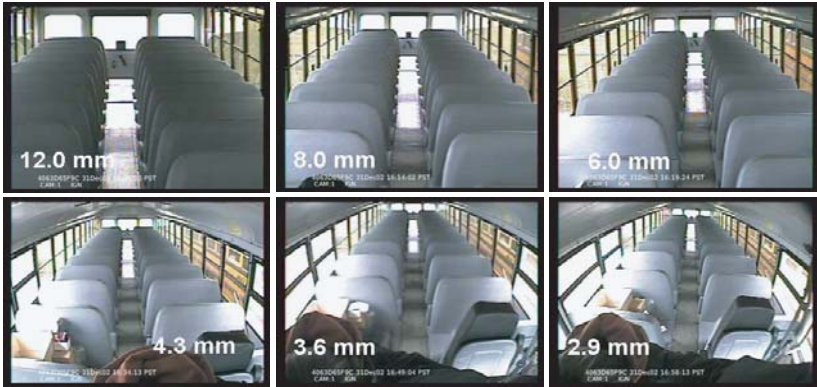


Camera Placement Options



Optional Camera Placement - Front of Bus to Rear

Recommended Lens	View
12.0 mm	23°
8.0 mm	34°
6.0 mm	48°
4.3 mm	66°
3.6 mm	84°
2.9 mm	112°



Optional Camera Placement - Mid to Rear or Mid to Front

Recommended Lens	View
4.3 mm	66°
3.6 mm	84°
2.9 mm	112°



Optional Rear Vision Camera

Recommended Lens	View
TBD	_____
TBD	_____

Pictures not available at this time





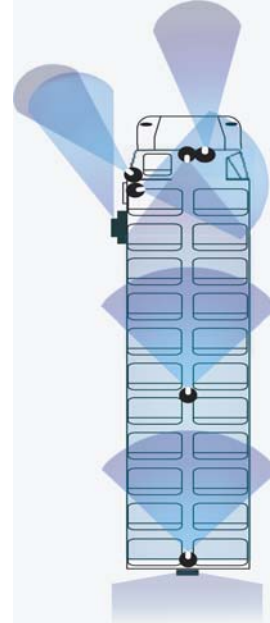
Camera Placement Options

4 Video Input DVR

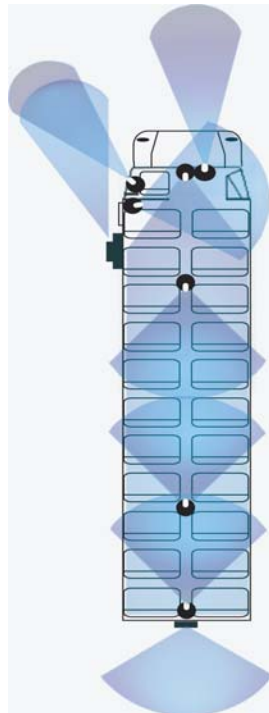
7 Potential Locations



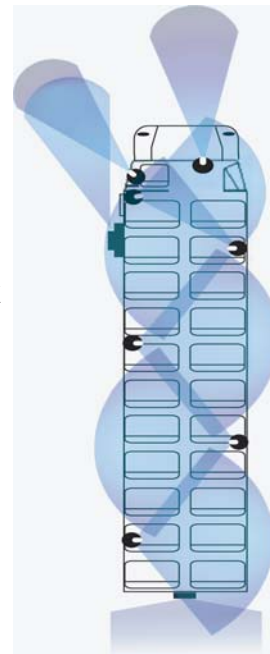
8 Potential Locations



9 Potential Locations



9 Potential Locations
Bus Layout with High-Back Seats and Small Children

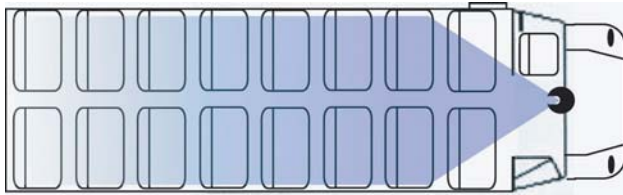




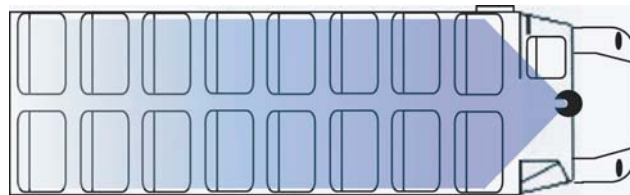
Camera Placement Options

Single Camera System Recommendations

Looking Front to Back
Recommend 6.0 mm

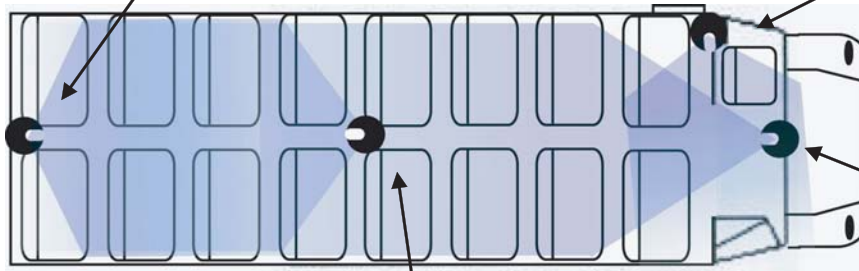


Looking Front to Back
Recommend 4.3 mm Lens



2 to 4 Camera System Recommendations

Looking Rear to the Front
Recommend 4.3 / 3.6 / 2.9 mm Lens



Looking at the Stairwell
Recommend 4.3 / 3.6 / 2.9 mm Lens

Looking Front to Back
Recommend 6.0 / 4.3 mm

Looking Mid Bus to Rear or Looking Mid Bus to the Front
Recommend 4.3 / 3.6 / 2.9 mm Lens





Camera Placement Options

Lens Size & View Range

