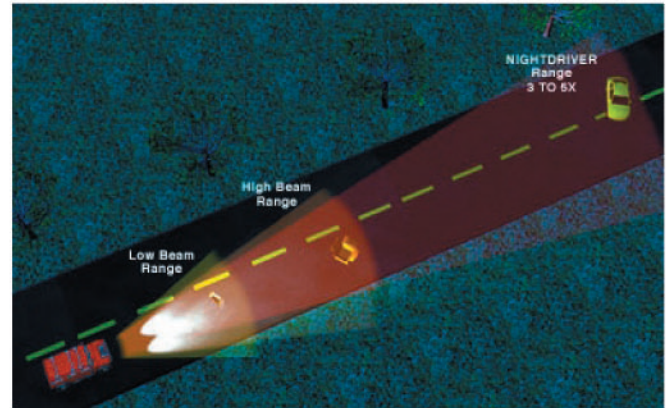




# James L. Griffin Co., Inc.

## HOW IT WORKS

Originally developed for the military, the infrared technology in NIGHTDRIVER has been battle-tested and proven reliable in the most demanding conditions imaginable. NIGHTDRIVER measures the small temperature differences of everything in view. The system converts these temperature differences into an electronic signal, which it displays like a black-and-white TV image. This image appears on a Head-Up Display within the driver's line of sight. Available at a glance but totally unobtrusive, the image location lets drivers use it naturally just like a rearview mirror.



NIGHTDRIVER SPECIFICATIONS		
<b>Focal Plane Array</b>	Type & Material	Uncooled Ferroelectric
	Pixel Count	160x120
	Spectral Response	7-14 um
<b>Thermal Imaging Performance</b>	Start-up Time	~45 seconds
	Contrast/Brightness	Automatic, with advanced image processing features
	Range to Detect a Person	Up to 1500ft (457m)
<b>Optics</b>	Focus Distance	~28 ft (8m) to infinity
	Focus Method	Fixed
	Field of View	Camera (12°x9°) Head-up Display HUD (10°x4°)
<b>Video</b>	Output Format	NTSC Compatible
	IR Polarity	White Hot- Black Cold
<b>Power</b>	Input Voltage	9.5 to 16 VDC
<b>Physical Characteristics</b>	Size	Camera 6.6"W x 6" H x 4.25" D (17 x 15 x 11 cm) HUD (opened) 8.9"W x 4.5" H x 7.0" D (23 x 11 x 18 cm) HUD (closed) 8.9"W x 1.25" H x 7.0" D (23 x 3 x 18 cm)
	Weight	Camera 2 lbs. (0.9kg) HUD 2 lbs. (0.9kg)
	Mounting Provisions	Vehicle mount
<b>Environmental</b>	System Operating Temp	-40°C to 75°C
	Camera Water Resistance	Carwash qualified (not submersible)
	EMC Compliance	FCC Part 15
<b>Ordering Information</b>	Up-fitter Kit	HUMMER H1 Kit
	Includes: Camera, HUD, Wire Harness, Mounting Kits & Manual (requires customization by professional installer)	Includes: Camera, HUD, Wire Harness, Custom Mounting Kits & Manual
	Part number 4973612-1	Part number 3216628-1

[www.jlgriffin.com](http://www.jlgriffin.com)

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