



# micOWL2

Available 3rd Quarter 2008!

**MIC** Mobile Intelligence Corporation

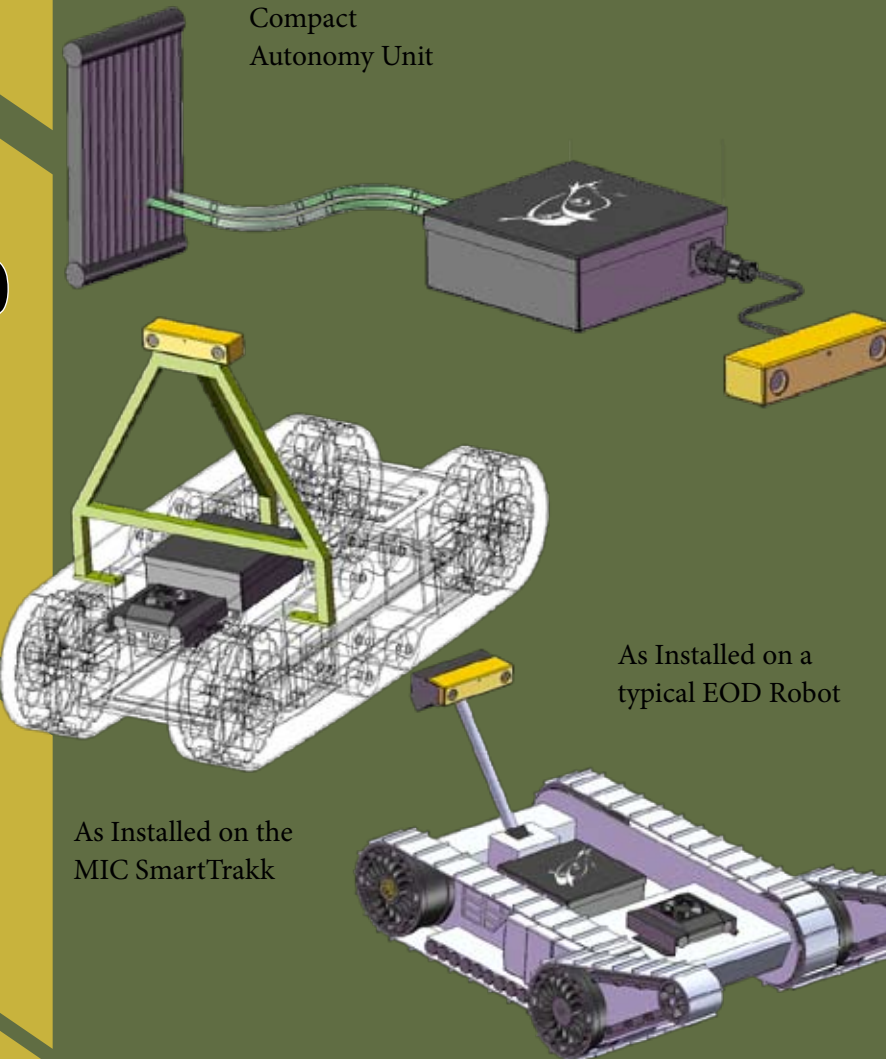
All of the features available on the original MIC Owl, in a small form factor for custom installations!

The Owl represents Mobile Intelligence Corporation's (MIC) most advanced autonomy unit for mounting on small, Commercial-Off-The-Shelf (COTS) unmanned ground vehicles (UGVs). The Owl provides JAUS-based command and control, acting as a JAUS "Pilot" unit, accepting global waypoints, planning safe routes, and sending real-time JAUS "wrench" commands to control the underlying platform. High speed stereo-based obstacle avoidance supports safe operations in complex terrain. This includes safely navigating to a visually designated location, and following the operator using Visual Tracking. Operator control is available using voice and/or easy to use graphics via MIC's MultiPlatform Controller (MPC).

## Features

- New Compact, Customizable form factor to meet the most demanding space requirements
- Provides Collaborative Autonomy to work closely with the operator
- Provides Full Autonomy capabilities for remote operation
- Uses advanced stereo vision algorithms, route planners and a behavioral controller to safely navigate in complex environments
- Runs the Fedora Linux operating system and all software is written in C++
- Easy to tailor or augment the autonomy system to meet user requirements with or without source code
- Sealed, water-proof, liquid-cooled unit operates at ambient temperatures up to 110 °F (40 °C)

MIC Owl2  
Compact  
Autonomy Unit



As Installed on a  
typical EOD Robot

As Installed on the  
MIC SmartTrak

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