

Industry	SensorClear Benefits & Technical Applications
Defense & Military	Maintains mission-critical EO/IR sensors, CROWS optics, driver vision systems, thermal imagers, 360° situational awareness cameras, mast-mounted ISR sensors, laser rangefinders, LiDAR, radar windows, and autonomous navigation sensors to maximize battlefield awareness and target acquisition. Integrated Automatic Fire Detection & Suppression (AFES) detects and extinguishes engine compartment fires within seconds, improving vehicle survivability and mission readiness.
Emergency Vehicles	Keeps thermal imaging cameras, pump panel cameras, rear and side-view cameras, aerial ladder cameras, driver vision systems, scene cameras, and command vehicle surveillance systems clean and operational during smoke, water spray, mud, snow, and ice. Integrated AFES protects critical vehicle systems while improving firefighter and first responder safety.
Agriculture	Maintains autonomous guidance cameras, LiDAR, stereo vision systems, row guidance cameras, yield monitoring cameras, grain tank cameras, sprayer boom cameras, and implement monitoring systems to improve autonomous navigation, planting accuracy, spraying precision, harvesting efficiency, and overall crop yield while reducing downtime.
Construction & Mining	Keeps 360° operator awareness cameras, backup cameras, LiDAR, radar sensors, collision avoidance systems, machine vision cameras, bucket and boom cameras, and autonomous haul truck navigation sensors clean in dust, mud, snow, and harsh operating environments, improving safety, productivity, and equipment uptime.
Commercial Transportation	Maintains ADAS forward-facing cameras, lane departure cameras, mirror replacement cameras, blind-spot cameras, radar sensors, LiDAR, trailer cameras, and driver monitoring systems to improve driver safety, fleet reliability, and autonomous vehicle performance.
Autonomous Robotics	Protects robot vision cameras, LiDAR, depth cameras, navigation sensors, barcode readers, machine vision systems, and obstacle detection sensors used in warehouse automation, delivery robots, and autonomous mobile robots (AMRs), ensuring continuous operation in dusty or contaminated environments.
Marine & Rail	Maintains bridge navigation cameras, EO/IR surveillance systems, mast-mounted sensors, radar enclosures, locomotive forward-facing cameras, wayside inspection cameras, and autonomous navigation sensors by removing salt spray, dirt, ice, and environmental contaminants to improve operational reliability and safety.
Industrial Automation	Keeps machine vision cameras, quality inspection systems, robotic guidance cameras, barcode scanners, laser scanners, optical inspection sensors, and AI vision systems operating reliably in manufacturing environments where dust, oil, coolant, and debris can reduce production efficiency.
Airport & Defense Airfield Operations	Maintains runway inspection cameras, autonomous ground support vehicles, aircraft tow tractors, perimeter security cameras, EO/IR surveillance systems, drone detection sensors, and weather monitoring equipment to improve airfield safety, autonomous operations, and mission readiness.