

SBIR 06.2 PHASE I - AWARD DETAILS	
ORGANIZATION	ARL
TOPIC NUMBER	A06-067
CONTRACT NUMBER	
YEAR OF AWARD	
AWARD START DATE	
AWARD COMPLETION DATE	
PROPOSAL NUMBER	A062-067-2788
TITLE	A Compact, Low-Power, Low Cost Device for Stereoscopic 3D Viewing from a Single Sensor
PROJECT MANAGER	Christopher K. Eveland (410) 234-1244 wolff@equinoxsensors.com
COMPANY	Equinox Corporation 9 West 57th Street, Suite 1650 New York NY Minority Owned: No Veteran Owned: No Number of Employees: 10
KEYWORDS	3-D Stereo, video image processing, low-power hardware
ABSTRACT	The unique opportunity to solve stereoscopic sensing from a moving single sensor is provided by a combination of recent advances in image processing devices and image stabilization techniques developed by Equinox. These advances will be combined to provide a compact, low-power, low cost device that will support a user interactive interface for setting of the magnitude of the time-slip inter-ocular delay and VCR controls such as pausing, playing, rewinding and fast-forwarding.
BENEFITS	Law enforcement from moving platforms like a helicopter, Search and Rescue performed from a helicopter, Product inspection on an assembly line