



Critical Communications, Controls and Instruments, LLC

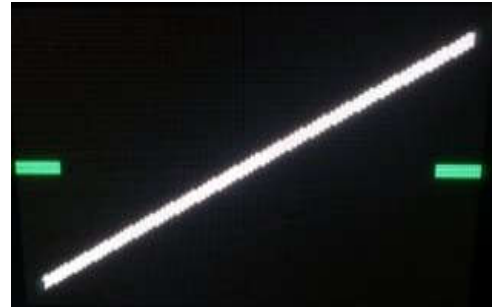
8 Commerce Way
Exeter, NH 03833
P: (603) 929-9989
F: (603) 929-9959

DUNS: 019906085
NAICS: 334511 / 541330
Operating as a Small Business Entity
www.c3i-usa.com

Problem: Legacy systems in service today utilize electro-mechanical lighted bars to display true horizon to helicopter pilots during launch and recovery operations. These systems were designed decades ago and are experiencing logistics issues to maintain Operational Availability (e.g. obsolescence, parts support, increased costs, reliability).

Solution: C3I has developed an LED-based Digital Information Display System (DIDS) that is fully integrated with both NAVAIR's ALS-CPS Program of Record with an Authority to Operate and C3I's ACCS® systems installed onboard the three ships in the DDG 1000 ZUMWALT Class for controlling flight deck systems and equipment. This design is ready for shipboard installation. Capabilities:

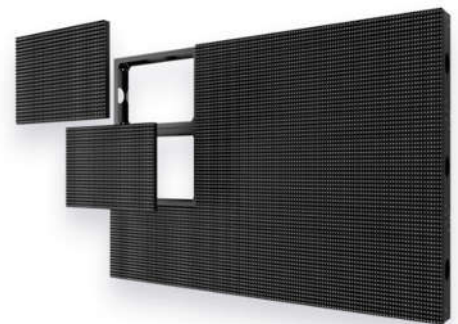
- Ability to display true horizon to helicopter pilots incorporating high-resolution, full-color, edge-to-edge displays.
- Low power consumption, greater light outputs than legacy systems, strong contrast, and operates with a controlled emission spectrum to manage NVIS requirements.
- Extremely reliable with lifespans exceeding 100,000 hours even in extreme environmental conditions, including hurricane force winds, significant vibration, marine environments, and operating temperatures of -40°F to 185°F.
- Mounts on any surface (vertical/horizontal) using normal shipboard power.
- Modular panels that can support available shipboard space limitations and are fast and easy to repair/replace.
- Lightweight extruded aluminum alloy frame for maximum strength and rigidity.



DIDS Functioning as Horizon Reference for Helicopter pilots during flight operations



Side image of the extruded aluminum framework of the



Modular design with rapid repair – image is designed to fill any display size