Benchmark
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# Rugged Displays and Tablets

## Example Products

- Stryker vehicle ruggedized display/computer
- Situational awareness tablet for US Army Aviators
- Police helicopter cockpit mounted tablet displays
- F-16 Cockpit display

## Key Product Features

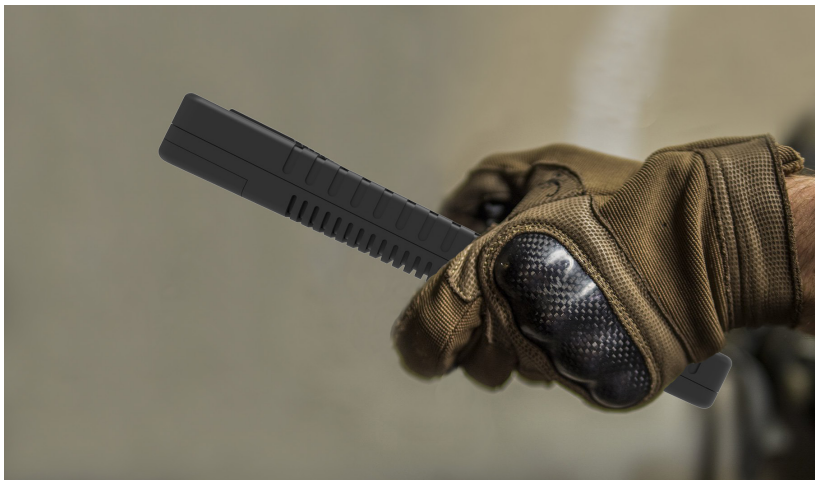
- Custom hardened/ laminated glass
- Multifunction displays with bezel buttons
- Glass resistive touch screens
- Dual-mode sunlight readable/ NVG display
- Fully sealed, fan less system design

## Core Competencies

- Display systems design
- Human-machine interface
- Ruggedization of COTS to meet MIL environmental standards
- System integration
- Custom panel/ glass cutting
- Form/Fit/Function replacement units

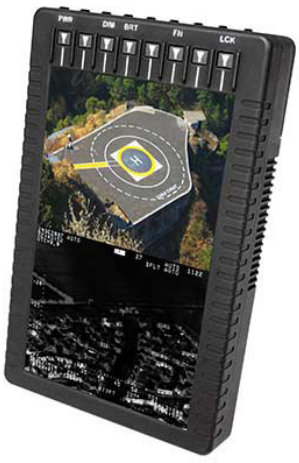
## Capabilities Overview

With decades of experience in display system design and rugged tablet development, our engineering team is able to provide custom design solutions, test, automation and manufacturing services. These capabilities enable us to provide competitive solutions and services in responding to a rapidly evolving display and tablet market. With experience ranging from designing replacement solutions for outdated technology to the design and manufacturing of thousands of advanced-technology display solutions used around the world, we continue to drive rugged display technology forward.



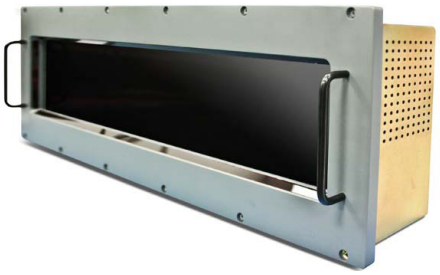
## Multi-Video Processing: Mission Tablet Computer

The Mission Tablet Computer (MTC) was designed and developed to display sensor camera video as well as system-generated data to help a pilot navigate a difficult landing or take off. Lightweight and rugged, the 9” tablet is equipped with a powerful Intel Core i7 processor capable of showing high-resolution images, multiple videos, moving maps, and other processor intensive applications. The MTC features an optically enhanced dual-mode sunlight readable/ NVG display with a glass resistive touch screen. The flexible architecture allows for the latest generation technology insertion.

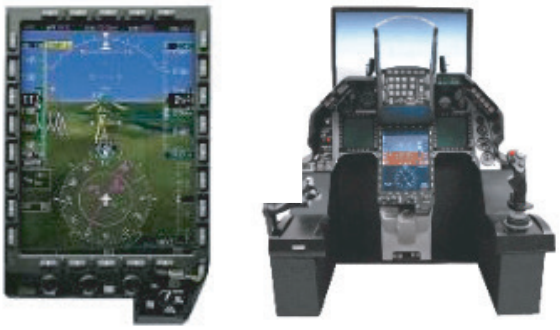


## Form/Fit/Function Replacement Displays

Years of experience in creating form/fit/function replacements for outdated, legacy display technology enables us to provide a full range of manufacturing solutions for many different display requirements and needs.

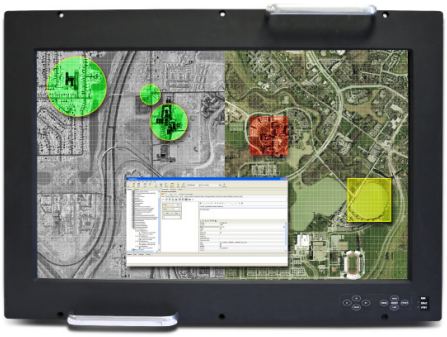


Deployed on the P-3C Orion AIP Aircraft, we designed a form-fit-function replacement for an obsolete display utilizing a custom-cut LCD featuring LED backlighting and IR touchscreen. This provided the size, weight, power, and cost reductions needed for success.



The F-16 desplay, designed to replace several legacy analog instruments  with one glass, digital cockpit unit. Designed with a custom cut, hardened and laminated glass, the new multifunction display features configurable bezel buttons.


Rugged glass resistive touch screen technology is combined with an HD, sunlight-readable display enabling a portable, man worn or handheld display. The device provides a crisp, full-color, interactive wearable in a completely sealed form factor for use in adverse environments. A single cable, carrying video, power, and touchscreen input data, connects the wrist displayto any Windows-based computer.



Developed for a tactical vehicle application, our 27” high definition display is ideal for tough environment applications. The thin package, 1080p resolution, and 16.7 Million-color capability provides maximum visual clarity without sacrificing space. Designed with commercial off the shelf components, the display is a cost-effective solution for larger format display requirements.

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