

zmicro

RUGGED COMPUTING SOLUTIONS BUILT TO PERFORM

ZMicro develops full MIL-SPEC products for critical military programs.

RUGGED COMPUTING SOLUTIONS

We offer a complete line of rugged, deployable computing solutions designed to be highly customizable and can accommodate any program specification.



SERVERS

1U, 2U, 3U rackmount servers and small form-factor computers for demanding environments



STORAGE

Rugged and flexible storage solutions for all of your digital intelligence.



DISPLAYS

MIL-Tailored, modular rugged flat panel displays ranging in size from 10"-32".



IMAGING SYSTEMS

Improve visual clarity in live video with our easy-to-integrate systems.

LATEST INNOVATION

The TranzPak 1e (TP1e) introduces new innovation to your rugged, removable hard-drive by integrating an e-paper display directly into the chassis.



TRUSTED PROGRAM PARTNER

In-House Engineering

Our skilled engineering team consists of electrical, mechanical, firmware, software, environmental and project engineers.

On-Site Manufacturing

We welcome you to schedule a tour of our certified manufacturing facility to see how our paperless systems and lean techniques produce consistent, high quality products.

Custom Design Solutions

Our modular product architectures support rapid customizations to meet your unique specifications.

DEFENSE PROGRAMS

PC-12, AC-130, RC-135, Special Mission Aircraft, RQ-21A, P-3, Tactical Airborne Surveillance System (TASS), SOFIA Intrepid Tiger II, and many more.

INDUSTRY PARTNERS



BAE SYSTEMS



NORTHROP GRUMMAN



Raytheon Technologies

GENERAL DYNAMICS

COMPUTERS, SERVERS & DATA STORAGE



ZXC LIGHTWEIGHT SERVER SERIES

All the processing power of a ZX rugged server in a lightweight DO-160 compliant package, with SATA or NVMe storage options. Ideal for airborne applications.

ZX RUGGED SERVER SERIES

Rugged, rack-mountable, modular computing and graphics processing powerhouses that are suitable for shipboard and ground-based applications.



ZM3

ZM MISSION COMPUTER

Compact, ultra-lightweight, DO-160 compliant rugged mission computers designed specifically for airborne ISR applications.



TP1

TP1e

TP2

TRANZPAK STORAGE SERIES

Ultra-compact and easy-to-remove data storage drives that work seamlessly with our rugged servers and docking stations. SATA and NVMe options available.



ZE-VC

ZE EMBEDDED COMPUTER

Small form-factor embedded computer with advanced video capture & exploitation capabilities.

DISPLAYS



17"

21"

24"

19"

15.6"

17"

IDS SERIES

Thin, high-performance, rugged flat panel displays designed for ground control stations (GCS) and other military shelters. Ideal for multi-monitor display setups.

COMMAND CONSOLE EDT

Ultra-rugged LCD operating station designed for seamless desktop installation with an integrated keyboard and trackball. Ideal for shipboard applications.

HYDRA SERIES

Ultra-rugged and best suited for use in ground vehicles with stringent environmental requirements. The low-latency video controller is ideal for indirect vision applications.



10.1"

15.6"

18.5"

21.3"

21.3"L

21.5"

24"

ORION SERIES

Lightweight, rugged and rack-mountable. The flexible electrical and hardware architectures support seamless customizations to adapt to unique requirements. Ideal for Airborne & Shipboard Applications.

VIDEO ENHANCEMENT

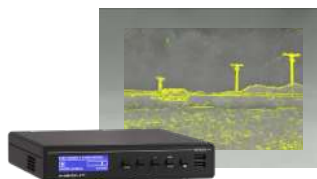


24" 4K

32" 4K

ORION 4K SERIES

The Orion 4K series brings high resolution capabilities and Virtual Windows™ technology to the rugged market. Ideal for airborne and shipboard solutions.



INSIGHT SERIES + RTEV

Stand-alone system that can be plugged into an existing ISR architecture to enable Real Time Enhanced Video (RTEV).

CUSTOM SOLUTIONS

Let us tailor a solution specific to your program needs. Custom solutions include:

Product Modifications

Our team is here to modify our existing products to meet your unique program requirements.

Full Design

We're here to help you define the optimal solution for your deployable program.

Design to Spec

If you have the design defined, let ZMicro shepherd the product from design, through qualification and into Full Rate Production for your programs schedule.