



BlackBox

Crescent Systems has partnered with Crystal Rugged to provide an affordable COTS-based rugged server platform to support federal, state, and local special mission applications. This hardware was designed specifically to support mission mapping software and includes a Nvidia RTX 4000 GPU, Intel i5 processor, 16GB DDR4 RAM, and support for up to 8TB of drive space.

The server is intended for airborne and ground-based special mission operations and supports the leading mission mapping software vendors, including AEVEX GEOFocis, CarteNAV AIMS, TrakkaMaps, and Overwatch Imaging Automated Sensor Operator.



Features

- Lightweight carbon fiber chassis
- Intel i5-12500TE 6-core processor
- 16GB DDR4
- NVIDIA RTX 4000 GPU
- Display port/mini display port
- HDMI
- USB 3.0/20
- 1000BASE-T Ethernet
- SDI input/output
- Audio mic/speaker



Specifications

- Power Input Voltage: 18-36 VDC
- Max power consumption: 200W

Dimensions

12" L x 9" W x 4.5" H

Weight

Up to 8.5 lbs.

Environmentally Qualified to the Following Standards

- MIL-STD-810, Operational Temperature (-40°C to +60°C)
- MIL-STD-810, Storage, Method 501, Procedure I/II (-40°C to +85°C)
- MIL-STD-810, Humidity, Method 507, Procedure II (240 hours with humidity kit)
- MIL-STD-810, Altitude, Method 500 (12,500ft operation, 40,000ft transport)
- MIL-STD-810, Vibration, Method 514, Procedure I (5.5GRMS, 5-2,000Hz, 60 min/axis, three axes with vibration kit)

BlackBox Rear View

