

TRUPER[®] 110



Commercial off-the-shelf (COTS) High-Performance Rugged Computer System

The TRUPER family offers the most current intel CPU and GPU processors with the flexibility to change out electronics such as frame grabbers, video processors, extra memory, storage or other communication devices. The TRUPER 110 chassis provides a sealed, customizable enclosure for the latest COTS hardware technology. Within the chassis, natural cooling is used to provide efficient transfer from the internal electronics to minimize component heat stress. The unit is designed to ensure reliable operation in harsh environments at sea, on land and in the air where the unit is subjected to EMI, shock, vibration, and extended operating temperatures.

Component Specifications



✓RoHS

Processor & Graphics

- CPU: Latest Intel Gen i7 and Intel HD GPU
- NVIDIA RADEON GPGPU options available
- HDMI X1 (up to 3 Video out options available)

Memory & Storage

- Up to 32GB DDR3 SO-DIMM
- mSATA3 SSD 60GB to 4TB
- Removable 2.5" SSD

Display

- HDMI, Clone, Independent, Extend (optional)

I/O

- 2x LAN: RJ45 GIGe Network
- Serial: DB9 X2 for RS232/422/485
- 2x USB 3.0, 4x USB 2.0
- GPIO – PWM / Analog / Digital

Power Input

- Terminal Block 2-pin
- +10 to +38 VDC Input, Support ATX Function. For processor power consumption <75W
- 110 / 230VAC 50/60Hz Input (Optional)

Hardware Monitor

- Integrated Watchdog Timer 1~255 second settings

OS Support

- Windows Embedded (All), Win 7 Pro, Win 10 IoT, Linux (64Bit)

Connectors

- 38999 sealed "mil-spec"
- Commercial IP 67 Available

Certifications

- CE, FCC Class A

Environmental¹

- MILSTD 810, Operational Temperature, Method 501, Procedure I/II: -10°C to +80°C, capable of -40°C to +85°C with select processors. Storage: -40°C to +85°C
- MIL-STD-810, Humidity, Method 507, Procedure II: 240 hours with humidity kit
- MIL-STD-810, Altitude, Method 500: 10,000ft operation, 20,000ft transport
- MIL-STD-810, Vibration, Method 514, Procedure I: 1.5 GRMS, 5-500Hz, 75 min/axis
- MIL-STD-810, Shock, Method 516, Procedures I/V: 20g, 11msec; 3 axes, each direction
- Electromagnetic Compatibility Standards FCC Class A
- Mil-STD-461F, with specific kits for air/ship applications

Video Capture Options

- HD/SDI, Camera-Link, or 4x Analog NTSC/PAL

Expansion Options

- mSATA x2
- Mini PCIe x2
- Audio: Mini Phono Jack X2 for Mic-In and Line-Out
- Digital: DB9 Female X1 for DI X4 & DO X4 (TTL, DO Max 100ma) – optional
- Global Positioning System (GPS)
- Power output +5VDC 50W / +12VDC 120W DC Output, 5A
- Up to 8x RJ45 GIGe Network

Ordering Information:

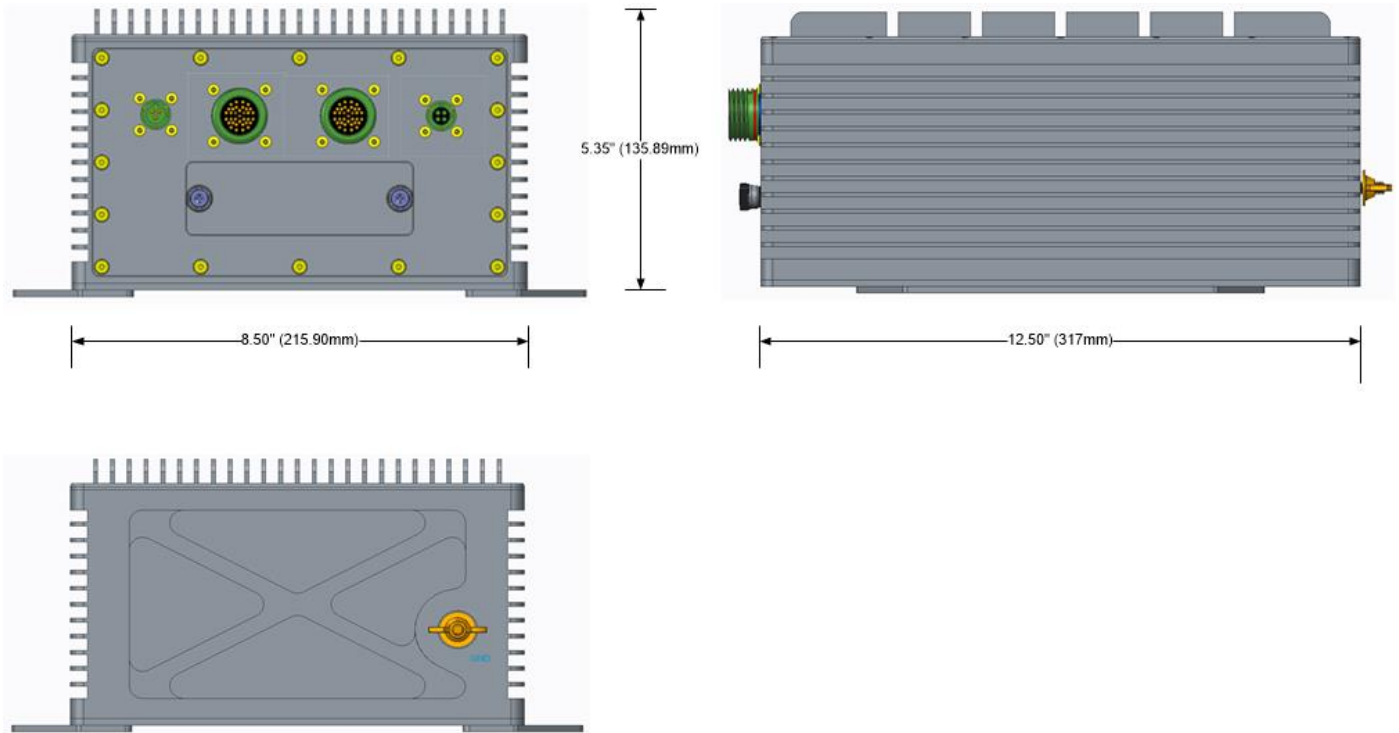
Model: V4/TRUPER/110/100

Contact: US +1.410.384.9181

info@vision4ce.net

Mechanical

- 7.50" (190.5) x 4.50" (109.22) x 12.50" (317.5)
- 13.35 Lbs. / 6 Kg.



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