VUE RUGGEDIZED PROCESSOR

HIGH PERFORMANCE — WHEREVER THE MISSION DEMANDS.
When durability counts, count on the VUE ruggedized processor from L3 Aeromet. This compact, high-performance processor is hermetically sealed and conduction cooled for operation in harsh conditions, including wet environments and all altitudes. Featuring MIL-SPEC connectors for all signals, it is tested and qualified to MIL-STD-810 and MIL-STD-461.

**ENVIRONMENT**
- Operating temperature: -40 °C to 55 °C
- Requires 200 W of conduction cooling be provided
- Air-cooling tray can be provided for specific applications
- Storage temperature: -40 °C to 85 °C
- Shock: operating 6 g
- Shock: non-operating 20 g
- ESD per RTCA DO-160 Section 25
- MIL-STD-461 RS103, CS101, CS114, CS115, CS116, RE102, CE102

**PERFORMANCE & COMPATIBILITY**
- 4th generation i7-4700EQ
- 16 GB main RAM
- 60 GB hard drive to hold OS and customer software
- Can be removed for high-security applications
- BIOS
  - Standard with battery
  - Custom build available for operation with no internal battery

**PORTS**
- 4 USB 2.0 ports
  - Available with 2 USB 2.0 ports and 2 USB 3.0 ports
- 6x1.1 GB Ethernet ports
- 1 RS-232 port
- 1 standard VGA port
- 2 CamLINK fiber ports

**SWAP**
- Size: 11.3” L x 9.06” W x 3.43” D
- Weight: 15 lb
- Power: 28 v @ 10 A
DELIVERING QUALITY EVERY TIME

EASY TO INTEGRATE AND CUSTOM CONFIGURE

The Video Unit for Exploitation (VUE) processor is unique in that it leverages modern commercial architectures to give you the flexibility to integrate future functionality should the need arise. It features the powerful, fourth-generation Intel® Core™ i7-4700EQ CPU, so you can take advantage of Intel Quick Sync and AVX2, instead of being limited to custom-developed FPGAs. The VUE Processor runs standard Linux- or Windows-based applications and features one card slot, which can be custom configured to carry a GPU, frame grabber or FPGA card. In addition, it can support add-on components such as video fiber converters and A/D converters for data acquisition systems.

CURRENT SOFTWARE

NEXT-GEN VUE SOFTWARE

L3 Aeromet has an AS5553 anti-counterfeit parts compliance process in place and purchases all components from OEMs or OEM representatives. Parts are screened through an approved third-party and testing is performed to verify proper operation in the environment. Computers are subjected to harsh environment testing, including eight cold-to-hot temperature cycles while operating and flowing data; vibration screening; and an altitude chamber cycle.
INTEGRATED PERFORMANCE

VUE ruggedized processor is part of a total solution designed to operate together or easily integrate into your solutions to help your mission succeed.

ARIES™-25 SENSOR SYSTEM
- Turret-based FMV that mounts in any orientation
- Six simultaneous cameras with advanced image processing
- Auto-detect/auto-track up to 10 targets at time
- Qualified to MIL-STD-810 and MIL-STD-461

VUE SOFTWARE
- Flexible data streaming with MISP compliance
- Selectable data compression, image enhancement and data fusion
- Real-time multi-target tracker
- High-accuracy geo-pointing and geo-location

GROUND STATION
- Rugged, configurable and transportable
- COTS-based solution supporting integration into a range control center, a mobile command center or direct connection to a sensor system

THE CHOICE THAT LEAVES NOTHING TO CHANCE.

L3 Aeromet provides high-performance sensor systems and associated support systems that are proven to perform in extremely harsh environments. Our expertise in EO/IR systems, mission execution, data collection and exploitation, and special mission aircraft modification stems from our unparalleled support of missile defense data collection - since the start of the Strategic Defense Initiative Organization (SDIO) in 1983. In fact, we’ve collected and delivered on nearly every Missile Defense Agency (MDA) flight test since the beginning of the missile defense program. Founded in 1974, L3 Aeromet is backed by the power of L3 Technologies, an industry-leading source of innovative defense electronics.