

Multi-mission processor

Enhancing situational awareness
and secure operations

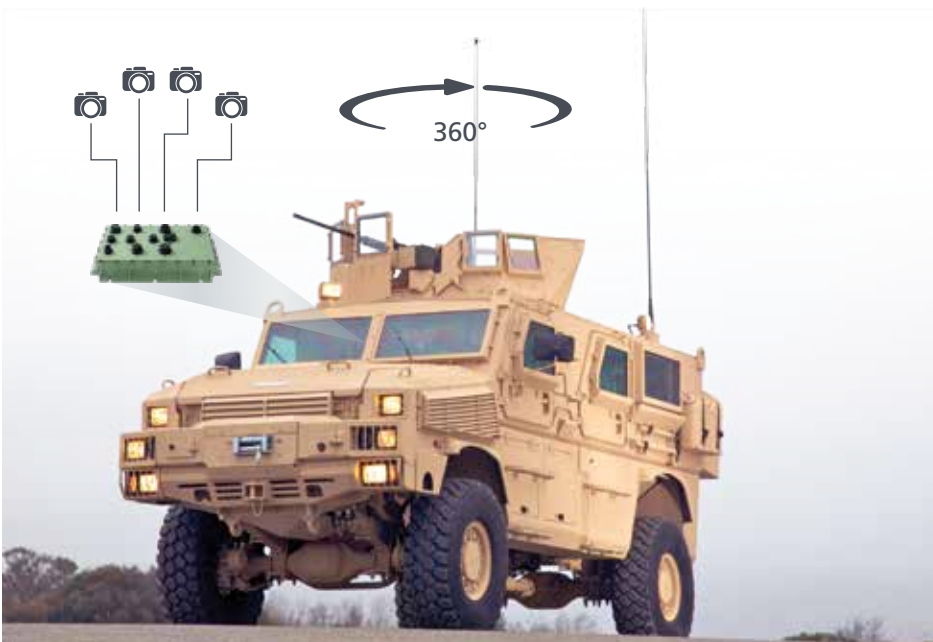


The **multi-mission processor (MMP)** system provides high density video transcoding with four 4K display inputs and outputs using Intel and NVidia CUDA technology in a conduction-cooled, open architecture, and cutting edge cyber-resilient module. This advanced module is designed and built to provide timely mission-critical information to aircraft and ground vehicles. It is available in two configurations, for bench top development and conduction-cooled deployment. Also available as a compute node only. The system allows the warfighter to consolidate multiple stand alone systems into one open architecture.

Helping warfighters ID targets and respond to threats

Key features and benefits

- With built in cyber resiliency, the processor continuously delivers the intended mission outcome despite adverse cyber events.
- Multi-core processing allows for execution of program instructions faster and more efficiently by immediately expanding processing capability and increasing memory.
- By utilizing four camera inputs up to 4K resolution, all image processing stages are covered - from raw image acquisition to compression for processing.
- Our software capabilities enhance vision for users at night and in hazardous environments, thus improving target and threat response.
- Advanced processing capabilities enable mission crews to access target recognition, motion detection, threat cueing, and mission planning.
- With upgradeability features, customer can upgrade and expand with the platform, making it suitable for the future.
- Using the bench top units for lab purposes reduces cost, as the heavy-duty shell and military connections are removed.
- Field-tested, the ruggedized conduction-cooled unit can be deployed in platforms in harsh environments.



Field deployable conduction cooled configuration



Bench top configuration
Lab and integration work
used for test and risk reduction

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