



PWM Application



Predator and Reaper Unmanned Aerial Vehicles (UAVs)

Due to tight size constraints, the system designers needed an integrated Pulse Width Modulation (PWM), high-current, servo motor drive control and associated power supply for its Forward Looking Infrared Radar (FLIR) Multi-Spectral Targeting System (MTS-A). NAI's Multifunction I/O Board and Power Supply Divisions worked together under a very tight design schedule to deliver a dual-channel, VME PWM motor control card and VME Power Supply. The power supply provides clean power to the PWM and handles high-peak current. In addition, the UAV platform uses an NAI power monitor to manage input power. The Engineering team at NAI was able to execute with exceptional turnaround time — from concept to production in less than six months.

[PWM Product Information](#)

[Intelligent Power Monitor Product Information](#)

[Multifunction I/O Board Product Information](#)

[Power Supply Product Information](#)

For more information contact ティー・ピー・ティー株式会社 (TPT K.K.)

Telephone: 81-3-5832-7350

TPT KK: [Contact](#)

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